FILE NOTATIONS

Entered in NiD File Scation has Dirand and Indened

Chacked by Chief Letter Disconsoval Letter ...

COMPLETION DATA:

Date Well Completed 3. W. ... WW. ... TA....

Sid.... PA....

Location Inspected Bond released State or Fee Land ...

LOGS FILED

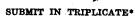
Willer's Log.

There is Logg (Mr.)

.... I. Micro... GR-N..... Micro...

BLog. ... CCLog. ... Others,

Re-entry 2-18-82



(Other instructions on reverse side)

THE STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL & GAS CONSERVATION

leverse side)	
	5. LEASE DESIGNATION AND SERIAL NO.
<i>y</i>	:
DI LIG BACK	6. IF INDIAN, ALLOTTEE OB TRIBE NAME

	DIAIDION OF O	LL C GAB CC	изек	VALLON	į.				:
APPLICATION	Y FOR PERMIT	O DRILL,	DEEP	EN, OR PL	UG B	ACK	6. IF INDIAN,	ALLOTTER OB	TRIBE NAME
1a. TYPE OF WORK	LL 🛚	DEEPEN		PLU	G BAC		7. UNIT AGRE	MENT NAMI	6
b. TYPE OF WELL					1,				+
WELL Zj W	ELL OTHER			ONE	MULTIPI ZONE	* K	8. FARM OR L		
2. NAME OF OPERATOR	WADOO 1						Wilkins		1
	MAPCO Inc.			· · · · · · · · · · · · · · · · · · ·			9. WELL NO.		
3. ADDRESS OF OPERATOR	Suite 320, PI		.,	. 5016			1 - 24		1.8
4. LOCATION OF WELL (R	1537 Avenue D						10. FIELD AND		FILDCAT
At gurfaca	1					, ,	Altamon		
2	NW NE (927' F	NL & 1500°	ГБЬ) 114	section 2	24, 1.	13.,	AND SURVE	M., OR BLK.	•
At proposed prod. zon	R. 5 W., Duch	esne count	y, U	Lan			Section	•	11
14. DISTANCE IN MILES		REST TOWN OR POS	T OFFIC	יוָרָ			T. I S.	, K. 5	W.,
	e south of Moun				ŧ		Duchesn	- 1	Utah
15. DISTANCE FROM PROPO	SED*	tarn nome,		O. OF ACRES IN L	EASE	17. No. o	F ACRES ASSIGN		ULan
LOCATION TO NEARES! PROPERTY OR LEASE LIN	E, FT.	27 '		310.13			IIS WELL	640	
(Also to nearest drlg. 18. DISTANCE FROM PROP	1111C, 11 411y)		19. P	ROPOSED DEPTH		20 ROTAR	Y OR CABLE TO	• • •	· \
TO NEAREST WELL, DI OR APPLIED FOR, ON THI	CILLING, COMPLETED,			17,000'	# (otary	25	3 ¹
21. ELEVATIONS (Show whe			<u> </u>	.,,000			22. APPROX.	DATE WORK	WILL START*
	•	6 <u>957'</u> Ungra	aded	Ground	· ;		1	7, 1974	
23.	P	ROPOSED CASI	NG AN	D CEMENTING	PROGRAI	M	·		
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER F	00т	SETTING DEF	тн		QUANTITY C	F CEMENT	
12-1/411	9-5/8"	36#		3500'		As	required		
8-3/4"	7-5/8''	Mixed		13800			required		
6-1/2"	5-1/2" Liner	22.54#		170001	1	Non	e		
including BOF Cameron doub Other equipme	ll be drilled for assemblies: In a second less to the second less than t	Hydril 10" 1500 series e (1) a red	1500 s, ar cordi) series, C nd addition ng pit lev	amero al as el in	n QRC requi dicato	10" 1500 red to to r with wa	series, tal dep	th.
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• ,									. ,
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					*				
IN ABOVE SPACE DESCRIBE zone. If proposal is to d preventer program, if any	rill or deepen directional								
24.	00.	,	Ma	nager of O	perat	ions			
SIGNED	uman fo	TIT	re No	rthern Dis	trict		DATE	June 10	, 1974
, / E. J. N									
(This space for Feder	$\frac{013-303}{013}$	20		APPROVAL DATE					
APPROVED BYCONDITIONS OF APPROVA	L, IF ANY:	TIT	LB				DATE		

X = Section corners located

PROJECT

MAY 1 4 19/4

MAPCO_INC

Well location, located as shown in the NW 1/4 NE 1/4 Section 24 TIS, R5W, U.S.B.& M. Duchesne County, Utah.

NOTE:

BEARINGS ARE ASSUMED BUT RELATIVE.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR REGISTRATION № 3154
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
P.O. BOX Q -- 110 EAST - FIRST SOUTH
VERNAL, UTAH - 84078

SCALE " = 1000'	DATE 5/3/74
PARTY DH MS RR	REFERENCES
WEATHER FAIR	FILE MAPCO INC.



PRODUCTION DIVISION

June 10, 1974

State of Utah
Department of Natural Resources
Division of Oil and Gas Commission
1588 West North Temple
Salt Lake City, Utah 84116

ATTENTION: Mr. Paul Burchell

Re: MAPCO, Wilkins No. 1-24

NW NE Sec. 24, T. 1 S., R. 5 W.,

Duchesne County, Utah

Gentlemen:

Enclosed are three (3) copies of each of our Application for Permit to Drill and Survey Plat for the above captioned well.

Our \$25,000 blanket bond No. 8055-97-09, dated October 11, 1972, with certified copy of Power of Attorney attached, is on file with your office. We trust that everything is in order, and if it is not, please let us know.

Very truly yours,

MAPCO INC.

T. F. Barnes, Engineer

TFB:awm

Enclosures

June 12, 1974

Mapco Inc. 1537 Avenue D Suite 320, Plaza West BIllings, Montana 59102

Re: Well No. Wilkins #1-24
Sec. 24, T. 1 S, R. 5 W, USM
Duchesne County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to well is hereby granted in accordance with the Order issued in Cause No. 139-3.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

PAUL W. BURCHELL - Chief Petroleum Engineer HOME: 277-2890 OFFICE: 328-5771

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation relative to the above will be greatly appreciated.

The API number assigned to this well is 43-013-30320.

Very truly yours,

· DIVISION OF OIL & GAS CONSERVATION

CLEON B. FEIGHT DIRECTOR

CBF:sd

Pill PI

OIL & G	AS CONSER	RVATION COMMIS	(Other instructions on reverse side)	5. LEASE DESIGNATION AND SERIAL NO.
		ES AND REPORTS to drill or to deepen or plu ON FOR PERMIT—" for suc	ON WELLS g back to a different reservoir.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
OIL [V] GAS [7. UNIT AGREEMENT NAME
WELL WELL WELL	OTHER	······································		8. FARM OR LEASE NAME
NAME OF OFFICE	MAPCO Inc	с.	**************************************	Wilkins
ADDRESS OF OPERATOR		O, Plaza West		9. WELL NO.
	1537 Ave	nue D, Billings,	Montana 59102 :	1 - 24
LOCATION OF WELL (Re See also space 17 below	- \	rly and in accordance with a		10. FIELD AND POOL, OR WILDCAT
At surface	NW NE (9)	27' FNL ε 1580' F	EL) Section 24,	Altamont
	•	R. 5 W., County, Utah		11. BEC., T., B., M., OB BLE. AND BURYBY OR ARBA
÷	Ducheshe	county, otali		Section 24,
PERMIT NO.		15. SLEVATIONS (Show whether	DF, RT, GA, etc.)	T. I S., R. 5 W.,
43-013-30320		6957' Ungraded	Ground	Duchesne Utah
	Check Appr	opnate Box To Indicate	Nature of Notice, Report, or	Other Data
ио	TICE OF INTENTIO	N TO:	SUBAR	QUENT REPORT OF:
TEST WATER SHUT-OFF	PUI.	L OR ALTER CASING	WATER SHUT-OFF	REPAIRING WELL
FRACTURE TREAT	MUL	LTIPLE COMPLETE	FRACTURE TREATMENT	ALTERING CASING
SHOOT OR ACIDIZE		NDON*	SHOOTING OR ACIDIZING	ABANDONMENT*
REPAIR WELL (Other)	CHA	NGE PLANS	(Other) (Note: Report result	ts of multiple completion on Well pletion Report and Log form.)
HIME DEDODT.				
JUNE REPORT:				
<u>JUNE REPORT</u> : 6-15-74:	to 200'. measureme Shoe and	T 10:00 AM - Dril Ran 5 joints 13- ent of 177.65 set 1 fiber baffle pl	at 176' KB. Casing edate on bottom joint,	; reamed hole to 17½'' [&C, K-55 casing with overal quipped with 1 Halco Guide 2 5-3 centralizers at 161' type ''G'' cement containing
6-15-74:	spudded A to 200'. measureme Shoe and 105'. 3% CaCl ₂	T 10:00 AM - Dril Ran 5 joints 13- ent of 177.65 set 1 fiber baffle pl Halliburton cem and displaced wit	3/8", 48#, 8 round, Sat 176' KB. Casing edate on bottom joint, 2 ented with 250 sacks the 225 barrels water.	T&C, K-55 casing with overaquipped with I Halco Guide 2 5-3 centralizers at 161' type "G" cement containing Bumped plug with 250#
6-15-74: 6-16-74:	spudded A to 200'. measureme Shoe and and 105'. 3% CaCl at 6:45 A	T 10:00 AM - Dril Ran 5 joints 13- ent of 177.65 set 1 fiber baffle pl Halliburton cem and displaced wit M, 6-16-74. Dril	3/8", 48#, 8 round, Sat 176' KB. Casing edate on bottom joint, 2 ented with 250 sacks the 225 barrels water. led to 765'. Lost 300	T&C, K-55 casing with overa quipped with I Halco Guide 2 5-3 centralizers at 161' type "G" cement containing Bumped plug with 250# 00 barrels mud.
6-15-74:	spudded A to 200'. measureme Shoe and and 105'. 3% CaCl at 6:45 A Drilled t	T 10:00 AM - Dril Ran 5 joints 13- ent of 177.65 set 1 fiber baffle pl Halliburton cem and displaced wit M, 6-16-74. Dril to 1417'; build vo	3/8", 48#, 8 round, Sat 176' KB. Casing edate on bottom joint, 2 ented with 250 sacks the 225 barrels water. led to 765'. Lost 300 lume. Cemented with 2	T&C, K-55 casing with overa quipped with I Halco Guide 2 5-3 centralizers at 161' type "G" cement containing Bumped plug with 250# 00 barrels mud. 200 sacks class "G" cement
6-15-74: 6-16-74:	spudded A to 200'. measureme Shoe and and 105'. 3% CaCl at 6:45 A Drilled twith 25% Drilled t Cal Seal	T 10:00 AM - Dril Ran 5 joints 13- ent of 177.65 set 1 fiber baffle pl Halliburton cem and displaced wit M, 6-16-74. Dril to 1417'; build vo Cal Seal and 1/4# to 1979'. Rigged and 75% Class "G"	3/8", 48#, 8 round, Sat 176' KB. Casing edate on bottom joint, 2 ented with 250 sacks the 225 barrels water. Led to 765'. Lost 300 lume. Cemented with 2 Flo Seal per sack froup Halliburton and cercement at 1880'. Wood	T&C, K-55 casing with overa quipped with I Halco Guide 2 5-3 centralizers at 161' type "G" cement containing Bumped plug with 250# 00 barrels mud. 200 sacks class "G" cement om 1331 to 1287'. WOC. mented with 300 sacks 25% C. Drilled cement stringer
6-15-74: 6-16-74: 6-17 & 18: 6-19 & 20:	spudded A to 200'. measureme Shoe and 105'. 3% CaCl at 6:45 A Drilled twith 25% Drilled t Cal Seal starting	Ran 5 joints 13- ent of 177.65 set I fiber baffle pl Halliburton cem and displaced wit M, 6-16-74. Dril to 1417'; build vo Cal Seal and 1/4# to 1979'. Rigged and 75% Class "G" at 1704'. Lost o	3/8", 48#, 8 round, Sat 176' KB. Casing edate on bottom joint, 2 ented with 250 sacks the 225 barrels water. Led to 765'. Lost 300 lume. Cemented with 2 Flo Seal per sack froup Halliburton and cercement at 1880'. Wood	T&C, K-55 casing with overa quipped with I Halco Guide 2 5-3 centralizers at 161' type "G" cement containing Bumped plug with 250# 00 barrels mud. 200 sacks class "G" cement om 1331 to 1287'. WOC. mented with 300 sacks 25% C. Drilled cement stringer
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6-15-74: 6-16-74: 6-17 & 18: 6-19 & 20: 6-21 thru 26:	SPUDDED A to 200'. measureme Shoe and and 105'. 3% CaCl2 at 6:45 A Drilled t with 25% Drilled t Cal Seal starting T. D. 360 Drilled t guide sho 3637'. H	Ran 5 joints 13- ent of 177.65 set 1 fiber baffle pl Halliburton cem and displaced wit M, 6-16-74. Dril o 1417'; build vo Cal Seal and 1/4# to 1979'. Rigged and 75% Class "G" at 1704'. Lost o 1'; drilling Duch o 3675'; Ran 92 e and differentia alliburton cement	3/8", 48#, 8 round, Sat 176' KB. Casing edate on bottom joint, 2 ented with 250 sacks the 225 barrels water. Led to 765'. Lost 300 lume. Cemented with 2 Flo Seal per sack froup Halliburton and cercement at 1880'. Wood irculation when drilled esne River Formation. joints, 9-5/8", 36#, 8 lill float collar or ed with 400 sacks 65-3	T&C, K-55 casing with overa quipped with I Halco Guide 2 5-3 centralizers at 161' type "G" cement containing Bumped plug with 250# 200 barrels mud. 200 sacks class "G" cement om 1331 to 1287'. WOC. mented with 300 sacks 25% C. Drilled cement stringer ed out. Loss 200 bbls. flu K-55 STC casing with Hallib n bottom joint. Landed at 35 Pozmix containing 10%
6-15-74: 6-16-74: 6-17 & 18: 6-19 & 20: 6-21 thru 26: 6-27 & 29:	SPUDDED A to 200'. measureme Shoe and and 105'. 3% CaCl ₂ at 6:45 A Drilled t with 25% Drilled t Cal Seal starting T. D. 360 Drilled t guide sho 3637'. H salt, 5%	Ran 5 joints 13- ent of 177.65 set 1 fiber baffle pl Halliburton cem and displaced wit M, 6-16-74. Dril to 1417'; build vo Cal Seal and 1/4# to 1979'. Rigged and 75% Class "G" at 1704'. Lost of I'; drilling Duch to 3675'; Ran 92 te and differential alliburton cement CFR-2 and 1/4# F	3/8", 48#, 8 round, Sat 176' KB. Casing edate on bottom joint, 2 ented with 250 sacks the 225 barrels water. Led to 765'. Lost 300 lume. Cemented with 2 Flo Seal per sack froup Halliburton and cercement at 1880'. Wood irculation when drille esne River Formation. joints, 9-5/8", 36#, 1 fill float collar or ed with 400 sacks 65-3 locele per sack follows.	T&C, K-55 casing with overaquipped with I Halco Guide 2 5-3 centralizers at 161' type "G" cement containing Bumped plug with 250# 200 barrels mud. 200 sacks class "G" cement om 1331 to 1287'. WOC. mented with 300 sacks 25% C. Drilled cement stringered out. Loss 200 bbls. fluck-55 STC casing with Halliber bottom joint. Landed at 35 Pozmix containing 10% wed by 200 sacks class "G" Flocale per sack and
6-15-74: 6-16-74: 6-17 & 18: 6-19 & 20: 6-21 thru 26: 6-27 & 29:	SPUDDED A to 200'. measureme Shoe and and 105'. 3% CaCl ₂ at 6:45 A Drilled t with 25% Drilled t Cal Seal starting T. D. 360 Drilled t guide sho 3637'. H salt, 5%	Ran 5 joints 13- ent of 177.65 set 1 fiber baffle pl Halliburton cem and displaced wit M, 6-16-74. Dril o 1417'; build vo Cal Seal and 1/4# to 1979'. Rigged and 75% Class "G" at 1704'. Lost o o 3675'; Ran 92 e and differentia alliburton cement CFR-2 and 1/4# F g 2% gel, 10% sal	3/8", 48#, 8 round, Sat 176' KB. Casing edate on bottom joint, 2 ented with 250 sacks the 225 barrels water. Led to 765'. Lost 300 lume. Cemented with 2 Flo Seal per sack froup Halliburton and cercement at 1880'. Wood irculation when drille esne River Formation. joints, 9-5/8", 36#, 8 lill float collar or ed with 400 sacks 65-3 locele per sack followt, .5% CFR-2 and 1/4# lass "G" containing 10	T&C, K-55 casing with overaquipped with I Halco Guide 2 5-3 centralizers at 161' type "G" cement containing Bumped plug with 250# 200 barrels mud. 200 sacks class "G" cement om 1331 to 1287'. WOC. mented with 300 sacks 25% C. Drilled cement stringers dout. Loss 200 bbls. fluck-55 STC casing with Hallibus bottom joint. Landed at 35 Pozmix containing 10% wed by 200 sacks class "G" Flocale per sack and
6-15-74: 6-16-74: 6-17 & 18: 6-19 & 20: 6-21 thru 26: 6-27 & 29: INUED ON P 2	SPUDDED A to 200'. measureme Shoe and and 105'. 3% CaCl ₂ at 6:45 A Drilled t with 25% Drilled t Cal Seal starting T. D. 360 Drilled t guide sho 3637'. H salt, 5%	Ran 5 joints 13- ent of 177.65 set 1 fiber baffle pl Halliburton cem and displaced wit M, 6-16-74. Dril to 1417'; build vo Cal Seal and 1/4# to 1979'. Rigged and 75% Class "G" at 1704'. Lost of the control of the control to 3675'; Ran 92 the and differential alliburton cement the CFR-2 and 1/4# F g 2% gel, 10% sal with 100 sacks of the correct of the control of the correct of the control the control of the c	3/8", 48#, 8 round, Sat 176' KB. Casing edate on bottom joint, 2 ented with 250 sacks had 225 barrels water. Led to 765'. Lost 300 lume. Cemented with 2 Flo Seal per sack froup Halliburton and cercement at 1880'. Wood irculation when drille esne River Formation. joints, 9-5/8", 36#, 1 fill float collar or ed with 400 sacks 65-3 locele per sack follow t, .5% CFR-2 and 1/4# lass "G" containing 10 anager of Operations	T&C, K-55 casing with overall quipped with I Halco Guide 2 5-3 centralizers at 161' type "G" cement containing Bumped plug with 250# 200 barrels mud. 200 sacks class "G" cement om 1331 to 1287'. WOC. mented with 300 sacks 25% C. Drilled cement stringers and out. Loss 200 bbls. fluid to bottom joint. Landed at 35 Pozmix containing 10% wed by 200 sacks class "G" Flocele per sack and 2% salt, 1/4# Flocele per sack
6-15-74: 6-16-74: 6-17 & 18: 6-19 & 20: 6-21 thru 26: 6-27 & 29: INUED ON P 2	SPUDDED A to 200'. measureme Shoe and and 105'. 3% CaCl ₂ at 6:45 A Drilled t with 25% Drilled t Cal Seal starting T. D. 360 Drilled t guide sho 3637'. H salt, .5% containin tailed in meloregold in the foregold in the	Ran 5 joints 13- ent of 177.65 set 1 fiber baffle pl Halliburton cem and displaced with M, 6-16-74. Dril to 1417'; build vo Cal Seal and 1/4# to 1979'. Rigged and 75% Class "G" at 1704'. Lost of 1'; drilling Duch to 3675'; Ran 92 te and differentia alliburton cement CFR-2 and 1/4# F g 2% gel, 10% sal with 100 sacks of title N	3/8", 48#, 8 round, Sat 176' KB. Casing edate on bottom joint, 2 ented with 250 sacks the 225 barrels water. Led to 765'. Lost 300 lume. Cemented with 2 Flo Seal per sack froup Halliburton and cercement at 1880'. Wood irculation when drille esne River Formation. joints, 9-5/8", 36#, 8 lill float collar or ed with 400 sacks 65-3 locele per sack followt, .5% CFR-2 and 1/4# lass "G" containing 10	T&C, K-55 casing with overaquipped with I Halco Guide 2 5-3 centralizers at 161' type "G" cement containing Bumped plug with 250# 200 barrels mud. 200 sacks class "G" cement om 1331 to 1287'. WOC. mented with 300 sacks 25% C. Drilled cement stringers and out. Loss 200 bbls. flug 5 Pozmix containing 10% wed by 200 sacks class "G"
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OGCC-1 be	STATE OF UTAH	SUBMIT IN TRIPLICATES	
OIL & C	GAS CONSERVATION COMMISSI	(Other instructions on reverse side)	5. LEASE DESIGNATION AND SERIAL NO.
	DRY NOTICES AND REPORTS form for proposals to drill or to deepen or plug Use "APPLICATION FOR PERMIT—" for such p		6. IF INDIAN, ALLOTTER OR TRIBE NAME
OIL X GAS WELL	OTHER		7. UNIT AGREEMENT NAME
NAME OF OPERATOR	MAPCO Inc.	4.	8. FARM OR LEASE NAME Wilkins
ADDRESS OF OPERATOR	1537 Avenue D. Billings, M	ontana 59102	9. WELL NO. 1 - 24
LOCATION OF WELL (Re See also space 17 belo At surface	eport location clearly and in accordance with any w.) NW NE (927' FNL & 1580' FE	State requirements.* L) Section 24,	Altamont
	T. 1 S., R. 5 W., Duchesne County, Utah		11. BEC., T., R., M., OR BLK. AND SURVEY OR ARBA Section 24, T. I S., R. 5 W.,
43-013-30320	15. BLEVATIONS (Show whether of 6957' Ungraded		12. COUNTY OR PARISH 13. STATE Duchesne Utah
,	Check Appropriate Box To Indicate N		Other Data
TEST WATER SHUT-OF		WATER SHUT-OFF	REPAIRING WELL
FRACTURE TREAT	MULTIPLE COMPLETE	FRACTURE TREATMENT	ALTERING CASING
SHOOT OR ACIDIZE REPAIR WELL (Other)	ABANDON* CHANGE PLANS	(Other) (Note: Report results Completion or Recomp	ABANDONMENT* s of multiple completion on Well letion Report and Log form.)
proposed work. If nent to this work.)	COMPLETED OPERATIONS (Clearly state all pertiner well is directionally drilled, give subsurface loca	nt details, and give pertinent dates, tions and measured and true vertice	including estimated date of starting an al depths for all markers and zones pert
JUNE REPORT:	- Continued		
6-30-74:	No returns throughout cement Cal Seal down annulus with with 3% CaCl ₂ down annulus. up. Cut off 9-5/8" casing tested BOP stack, manifold T.D. 4162"; drilled cement	no returns. WOC. Pu Had cement to surfa and weld on head. Ye lines and choke to 30	mped 200 sacks class "G" ce. WOC and nippling llow Jacket pressure 000 psi and Hydril to 200

8. I hereby certify that the foregoing is true and correct	Manager of Operations	
SIGNEDE. J. Milt	TITLE Northern District	DATE
(This space for Federal or State office use)		
APPROVED BY	TITLE	DATE

	OIL & GAS C	STATE OF U ONSERVATIO		manua alda)	structions on re	5. LEASE DESI	GNATION AND BERIAL
	SUNDRY (Do not use this form for Use "A	NOTICES AND PROPERTY OF PRINCE PRINCE PROPERTY OF PRINCE PRIN				6. IF INDIAN,	ALLOTTEN OR TRIBE
ī.	OIL V GAS			u propogate,	· · · · · · · · · · · · · · · · · · ·	7. UNIT AGREE	EMAN THEM
2.	NAME OF OPERATOR	HIR	······	3 · · · ·		8. FARM OR LI	BASE NAME
8.		PCO Inc. Ite 320, Plaz	a West		· · · · · · · · · · · · · · · · · · ·	Wilkins 9. WELL NO.	· · · · · · · · · · · · · · · · · · ·
_	LOCATION OF WELL (Report loc	37 Avenue D,				1 - 24	
4.		NE (927 FNL				Altamont	POOL, OR WILDCAT
		1 S., R. 5 W chesne County				Section	, M., OR BLE. AND OR ARMA 24, R. 5 W.,
14.	43-013-30320	1	אא (Show whether Ungraded			Duchesne	R PARISH 13. STATE
16.	Chec	ck Appropriate B	ox To Indicate	Nature of Notice	e, Report, or C	Other Data	
	NOTICE OF	INTENTION TO:			SUBSEQ	UENT REPORT OF	
	FRACTURE TREAT SHOOT OR ACIDIZE	PULL OR ALTER MULTIPLE COMI ABANDON*			TREATMENT OR ACIDIZING	ALT	AIRING WELL ERING CASING NOONMENT®
7.	REPAIR WELL (Other) DESCRIBE PROPOSED OR COMPLET	CHANGE PLANS	ly state all pertin	(Other)(No:(Com	re: Report results pletion or Recomp re pertinent dates,	including estima	l Log form.) ated date of starting
L7.	REPAIR WELL	CHANGE PLANS	ly State all pertingive subsurface lo	(Other)(No:(Com	pletion or Recomp	including estima	l Log form.) ated date of starting
17.	REPAIR WELL (Other) DESCRIBE PROPOSED OR COMPLET proposed work. If well is	CHANGE PLANS	ly state all pertingive subsurface lo	(Other)(No:(Com	pletion or Recomp	including estima	l Log form.) ated date of starting
17.	(Other) DESCRIBE PROPOSED OR COMPLET proposed work. If well is nent to this work.)*	CHANGE PLANS TED OPERATIONS (Clear directionally drilled, g	rive subsurface lo	(Other)	pletion or Recomp re pertinent dates, ed and true vertice	letion Report and including estimal al depths for all	i Log form.) ated date of startin markers and zones
17.	(Other) DESCRIBE PROPOSED OR COMPLET proposed work. If well is nent to this work.) JULY REPORT:	CHANGE PLANS TED OPERATIONS (Clear directionally drilled, g	rive subsurface lo	(Other)	pletion or Recomp re pertinent dates, ed and true vertice	letion Report and including estimal al depths for all	i Log form.) ated date of startin markers and zones
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17.	(Other) DESCRIBE PROPOSED OR COMPLET proposed work. If well is nent to this work.) JULY REPORT:	CHANGE PLANS TED OPERATIONS (Clear directionally drilled, g	rive subsurface lo	(Other)(No:(Yon tent details, and given sand measure	pletion or Recomp re pertinent dates, ed and true vertice	letion Report and including estimal al depths for all	i Log form.) ated date of startin markers and zones
17.	(Other) DESCRIBE PROPOSED OR COMPLET proposed work. If well is nent to this work.) JULY REPORT:	CHANGE PLANS TED OPERATIONS (Clear directionally drilled, g	rive subsurface lo	(Other)(No:(Yon tent details, and given sand measure	pletion or Recomp re pertinent dates, ed and true vertice	letion Report and including estimal al depths for all	i Log form.) ated date of startin markers and zones
17.	(Other) DESCRIBE PROPOSED OR COMPLET proposed work. If well is nent to this work.) JULY REPORT:	CHANGE PLANS TED OPERATIONS (Clear directionally drilled, g	rive subsurface lo	(Other)(No:(Yon tent details, and given sand measure	pletion or Recomp re pertinent dates, ed and true vertice	letion Report and including estimal al depths for all	i Log form.) ated date of startin markers and zones
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6.	Check Appropriate Box To Indicate Nature	of Notice Report or O	ther Data	
43-013-30320	15. PLEVATIONS (Show whether DF, RT, CR, 6957 Ungraded Groun	· .	12. COUNTY OR PARISH Duchesne	Utah
4. PERMIT NO.	Duchesne County, Utah		Section 24, T. 1 S., R. 5	W.,
i. LOCATION OF WELL (Rep See also space 17 below. At surface	ort location clearly and in accordance with any State r NW NE (927' FNL & 1580' FEL) Se T. 1 S., R. 5 W.,		10. FIELD AND POOL, OF Altamont	
S. ADDRESS OF OPERATOR	Suite 320, Plaza West 1537 Avenue D, Billings, Montan		9. WELL NO. 1 - 24	
2. NAME OF OPERATOR	MAPCO Inc.		8. FARM OR LEASE NAM Wilkins	3
I. OIL X GAM GAM WELL	OTHER		7. UNIT AGREEMENT NA	H.N
	RY NOTICES AND REPORTS ON The for proposals to drill or to deepen or plug back to use "APPLICATION FOR PERMIT—" for such proposals		6. IF INDIAN, ALLOTTER	OR TRIBE NAME
U OIL&G		(Other instructions on re- verse side)	5. LEASE DESIGNATION	AND BERIAL NO.
doccin p.		SUBMIT IN TRIPLICATE.		

TEST WATER SHUT-OFF PULL OR ALTER CASING WATER SHUT-OFF REPAIRING WELL MULTIPLE COMPLETE FRACTURE TREATMENT ALTERING CASING SHOOT OR ACIDIZE ABANDON* SHOOTING OR ACIDIZING ABANDONMENT* REPAIR WELL CHANGE PLANS

(Note: Report results of multiple completion on Weil Completion or Recompletion Report and Log form.) 17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

AUGUST REPORT:

(Other)

8-1 thru 31-74: T.D. 13,083; drilling Green River formation.

SAMPLE TOP LOWER GREEN RIVER MARKER I

11,248 (-4270) feet.

8. I hereby certify that the foregoing is		Manager of Ope Northern Dist	• .	g 9-10-74
(This space for Federal or State offi-	ce use)			
APPROVED BY	NY:	E	DATE	£





WY?

OG	CC-1/b.	A 77 1 M 7 1 M 1 1 1	SUBMIT IN TRIPLICATE*	· * · · · ·
V	OIL & GA	STATE OF UTAH S CONSERVATION COMMISS	(Other instructions on re-	5. LEASE DESIGNATION AND SERIAL NO.
<u></u>		RY NOTICES AND REPORTS m for proposals to drill or to deepen or plus se "APPLICATION FOR PERMIT—" for such		6. IF INDIAN, ALLOTTER OR TRIBE NAM
	OIL X WALL	OTHER	· :	7. UNIT AGREEMBET NAME
	NAME OF OFFICE		raman da 	8. FARM OR LEASE NAME
		MAPCO Inc.		Wilkins
8.	ADDRESS OF OPERATOR	Suite 320, Plaza West		9. WELL NO.
	· · · · · · · · · · · · · · · · · · ·	1537 Avenue D, Billings, N		1 - 24
4.	LOCATION OF WELL (Repo See also space 17 below.)	rt location clearly and in accordance with an		10. FIELD AND POOL, OR WILDCAT
	At surface	NM NE (35), ENT & 1200, ES	L) Section 24,	Altamont
		T. 1 S., R. 5 W.,		11. BEC., T., E., M., OR BLK. AND BURNEY OR AREA
		Duchesne County, Utah	į	Section 24,
		15. ELEVATIONS (Show whether		T. S., R. 5 W., 12. COUNTY OR PARISH 18. STATE
14.	равил но. 43-013-30320	6957' Ungraded		Duchesne Utah
16.		Check Appropriate Box To Indicate	Nature of Notice, Report, or C	Other Data
	Non	CB OF INTENTION TO:	Оривича	ENT REPORT OF:
	TEST WATER SHUT-OFF	PULL OR ALTER CASING	WATER SHUT-OFF	REPAIRING WELL
	PRACTURE TREAT	MULTIPLE COMPLETE	FRACTURE TREATMENT	ALTERING CASING
	SHOOT OR ACIDIZE	ABANDON®	SHOOTING OR ACIDIZING	ABANDONMENT*
	BEPAIR WELL	CHANGE PLANS	(Other)	
	(Other)		(Note: Report results	of multiple completion on Well etion Report and Log form.)
17.	proposed work. If we nent to this work.) *	MPLETED OPERATIONS (Clearly state all pertinal is directionally drilled, give subsurface los	ent details, and give pertinent dates, cations and measured and true vertica	including estimated date of starting as i depths for all markers and zones per
	SEPTEMBER REPO	DRT:		
	9-1 thru 9-74	: T.D. 13800'; drilling Was SAMPLE TOP WASATCH RED BE		•
	9-10 & 11:	T.D. 13,810'; circulating logs. SLM correction from 13788' to 3634'; BHC Sonio	m 13800 to 13810'. Sch	lumberger ran DILL-8 fro
	9-12 & 13:	CNL from 13776 to 7500'. T.D. 13810'; laying down		
		29.70, 33.70# Buttress and erential fillup collar on	bottom joint. Set at	13,810'. Halco cemented
		with 450 sacks Halco light sack; 200 sacks 50-50 Poz	mix, 2% gel, 10% salt,	0.5% CFE-2, 0.3% HR-4,
		# Flocele/sack; 100 sack # Flocele/sack. Bumped		
		barrels, 2000 psi, 25% re		
	9-14 thru 16:	T.D. 13,810'; Set out 10'	BOP and set in 6" BOP	and nippled up. Picked
		and ran 3-1/2" drill pipe		
		LOG TOP LOWER GREEN RIVER		52) feet.
	9-17 thru 30:	T. D. 15,118'; drilling Ro	ed Beds.	
)		
18.	I hereby certify that the		anager of Operations	
	BIGNED .	TITLE N	orthern District	DATE October 10, 19

(This space for Federal or State office use)

APPROVED BY CONDITIONS OF APPROVAL, IF ANY:

100 /	STA			(Other instructions verse side)	CATES on re- 5.	LEASE DESIGNATI	ON AND BERIAL
OIL &	GAS CONSE	RVATION CON	MISSION				
SUN	DRY NOTE	CES AND REP	ORTS ON	WELLS	6.	IF INDIAN, ALLOT	TES OR TRIBE ?
		ils to drill or to deeperion FOR PERMIT—"					
ī.						UNIT AGREEMENT	NAMB
MALL X MALL	OTHER						
2. NAME OF OPERATOR	MAPCO Ir	nc.	Prings.		1	Ikins	NAMB
8. ADDRESS OF OPERATO		20, Plaza West			4	WELL NO.	
A TOCATION OF WELL (enue D, Billir				- 24 FIELD AND POOL	AR WITHOUT
See also space 17 bel At surface	A 1	927' FNL & 158				ltamont	, OR WILDCAY
		, R. 5 W.,			11.	BEC., T., R., M., C	DE BLE. AND
:	Duchesne	e County, Utal	ו		. 1	ection 24,	
14. PERMIT NO.		15. BLEVATIONS (Show			12.	. 1 S., R.	5 W.,
43-013-3032	.0	6957' Ungi	raded Groun	d	D	uchesne	Utah
16.	Check App	propriate Box To In	dicate Nature	of Notice, Repor	t, or Other	r Data	
	NOTICE OF INTENT	ON TO:			THEUPEREUR	REPORT OF:	
TEST WATER SHUT-O	PP PU	ILL OR ALTER CASING		WATER SHUT-OFF		REPAIRIN	G WELL
FRACTURE TREAT	. []	ULTIPLE COMPLETE		FRACTURE TREATMEN		ALTERING	
SHOOT OR ACIDIZE	 	ANDON*		SHOOTING OR ACIDIZI	NG	ABANDON	HENT*
REPAIR WELL (Other)	CH	IANGE PLANS		(Other) (Note: Report	results of m	ultiple completio	on on Well
17. DESCRIBE PROPOSED OF proposed work. If nent to this work.)	well is directions	ATIONS (Clearly State a ally drilled, give subsu	ll pertinent detail rface locations an	s, and give pertinen	Recompletion t dates, inclu- vertical der	ding estimated d	ate of starting
proposed work. If	well is directions	ATIONS (Clearly state a ally drilled, give subsu	ll pertinent detail rface locations an	s, and give pertinen	t dates, inclu	ding estimated d	ate of starting
proposed work. If nent to this work.)	PORT:	ally drilled, give subsu	rface locations an	s, and give pertinen d measured and true	t dates, inclu vertical der	iding estimated dithing estimated dithing for all mark	late of starting ers and zones
proposed work. If nent to this work.)	PORT:	T.D. 17,020;	drilled to	s, and give pertinen d measured and true	t dates, inclu vertical der	iding estimated dithing estimated dithing for all mark	late of starting ers and zones
proposed work. If nent to this work.)	PORT:	ally drilled, give subsu	drilled to	s, and give pertinen d measured and true	t dates, inclu vertical der	iding estimated dithing estimated dithing for all mark	late of starting ers and zones
proposed work. If nent to this work.)	PORT:	T.D. 17,020;	drilled to	s, and give pertinen d measured and true	t dates, inclu vertical der	iding estimated dithing estimated of the standard mark	late of starting ers and zones
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proposed work. If nent to this work.)	PORT:	T.D. 17,020;	drilled to	s, and give pertinen d measured and true	t dates, inclu vertical der	iding estimated dithing estimated of the standard mark	late of starting ers and zones
proposed work. If nent to this work.)	PORT:	T.D. 17,020;	drilled to	s, and give pertinen d measured and true	t dates, inclu vertical der	iding estimated dithing estimated of the standard mark	late of starting ers and zones
proposed work. If nent to this work.)	PORT:	T.D. 17,020;	drilled to	s, and give pertinen d measured and true	t dates, inclu vertical der	iding estimated dithing estimated of the standard mark	late of starting ers and zones
proposed work. If nent to this work.)	PORT:	T.D. 17,020;	drilled to	s, and give pertinen d measured and true	t dates, inclu vertical der	iding estimated dithing estimated of the standard mark	late of starting ers and zones
proposed work. If nent to this work.)	PORT:	T.D. 17,020;	drilled to	s, and give pertinen d measured and true	t dates, inclu vertical der	iding estimated dithing estimated of the standard mark	late of starting ers and zones
proposed work. If nent to this work.)	PORT:	T.D. 17,020;	drilled to	s, and give pertinen d measured and true	t dates, inclu vertical der	iding estimated dithing estimated of the standard mark	late of starting ers and zones
proposed work. If nent to this work.)	PORT:	T.D. 17,020;	drilled to	s, and give pertinen d measured and true	t dates, inclu vertical der	iding estimated dithing estimated of the standard mark	late of starting ers and zones
proposed work. If nent to this work.)	PORT:	T.D. 17,020;	drilled to	s, and give pertinen d measured and true	t dates, inclu vertical der	iding estimated dithing estimated of the standard mark	late of starting ers and zones
proposed work. If nent to this work.)	PORT:	T.D. 17,020;	drilled to	s, and give pertinen d measured and true o total depti	t dates, inclu vertical der	iding estimated dithing estimated of the standard mark	late of starting ers and zones
proposed work. If nent to this work.) OCTOBER RE 10-1 thru	PORT: 10-31-74:	T.D. 17,020';	drilled to	of Operatio	t dates, inclu	iding estimated dithing the for all mark	late of starting ers and zones
proposed work. If nent to this work.) OCTOBER RE 10-1 thru	PORT: 10-31-74:	T.D. 17,020; hole and trip	drilled to	s, and give pertinend measured and true to total depth log.	t dates, inclu	ding estimated coths for all mark	late of starting ers and zones
proposed work. If nent to this work.) OCTOBER RE 10-1 thru	PORT: 10-31-74:	T.D. 17,020; hole and trip	drilled to	of Operatio	t dates, inclu	Beds. Co	late of starting

orm_	OGC	C-1	b.

SUBMIT				
(Other i	uctions	on	re-	ı

	STA	TE OF UTAH	SUBMIT IN TH				<u> </u>
OIL &	GAS CONSI	ERVATION COMMIS	SSION verse side)	;	5. LEASE DES	BIGNATION A	ND BERIAL NO.
SUN	IDRY NOTI	CES AND REPORTS	S ON WELLS	1 1	6. IF INDIAN,	ALLOTTEE	OR TRIBE NAME
(Do not use this	form for proposi Use "APPLICA"	als to drill or to deepen or pl TION FOR PERMIT—" for suc	ug back to a different reser ch proposals.)	rvoir.			e Je
OIL 🔯 GAS	<u>г</u>			i e	7. UNIT AGRE	EMENT NAI	(3)
WELL X WELL	OTHER				ļ		
NAME OF OFFICE	MAPCO I	nc			8. FARM OR 1 Wilkins	LEASE NAMI	
ADDRESS OF OPERATOR		20, Plaza West			9. WELL NO.		
	1537 Av	enue D, Billings,	Montana 59102		1 - 24		3.1
LOCATION OF WELL (R	eport location cle	early and in accordance with	any State requirements.*	· ·	10. FIELD AN	D POOL, OR	WILDCAT
At surface	MM ME (371, LMF & 1200, L	FEL) Section 24,		Altamon	t	
		, R. 5 W.,			11. SEC., T., E	., M., OR BI	K. AND
4	Duchesn	e County, Utah			Section		- 1
				•	T. I S.	-	W.,
PERMIT NO.	2	15. BLEVATIONS (Show whether			1		
43-013-30320	J	6957' Ungraded	Ground	<u> </u>	Duchesn	e [Utah
î Ş	Check App	propriate Box To Indicate	Nature of Notice, Re	port, or C	ther Data		
	OTICE OF INTENT	ION TO:		subsequ	ENT REPORT OF	':	
TEST WATER SHUT-OF	r Dr	ULL OR ALTER CASING	WATER SHUT-OF		RE	PAIRING WI	ILL [
FRACTURE TREAT	M	ULTIPLE COMPLETE	FRACTURE TREAT	MENT	AL	TERING CAS	ING
SHOOT OR ACIDIZE	AE	BANDON*	SHOOTING OR AC	IDIZING	ABA	ANDONMENT	•
REPAIR WELL	CI	HANGE PLANS	(Other)				
(Other)			(Note: Re Completion	port results or Recomple	of multiple cor etion Report an	npletion or	Well
1-1 & 2-74: 1-3-74: 1-4 & 5-74:	13,818'; 16,080' a because of barrels m diesel, 7 T.D. 17,0 liner at attempted hole. Pi 13,485'. Halliburt Picked up	D20'; Schlumberger DILL 17,031-13,81 and 16,000' while of extremely stick mud flush, 8 barre 72 barrels mud. T D20'; ran 78 joint 16,800'; top of 1 d to run FDC-CNL 1 icked up Otis "WB" Pressure tested ton to displace 30 o Halliburton RTTS s bled off to 800	8'. Tool stuck running FDC-CNL by hole. Rigged als diesel, 203 be ripped out. S 5½'', 22.54#, Finer at 13,495' og. Tool stopped packer and tail to 2000 psi for 0 barrels of much Packer and trip	at 16,5 . Unabl down Sc parrel i -110, S . Rigge ed at 12 lpipe as 30 mins d with w oped in	645', 16,2 e to run chlumberge nvert much fFJP Hydri ed up Schl 2,997'. F sembly. c; held C vater and to 5,953'	280, 16 FDC-CN F	ng. Set er and out of ecker at gged up irculation
hereby certify that i	Determine and RTTS; between E at 6232'. The foregoing is the foregoing is the following.	true and correct M	6294' and 6325' and RTTS at 6407	Pick 7'. Presand on 	ed up ret ssure tes	trievab sted to P. Res	le BP 3000 psi
. •					T. 1		
APPROVED BY CONDITIONS OF AP	PROVAL, IF AN	TITLE Y:			_ DATE _		

DATE _

• ,			•
OGCC-1 b.	CTAMP OF UMAN	SUBMIT IN TRIPLICATE	•
•••	STATE OF UTAH	(Other instructions on re	5. LEASE DESIGNATION AND SERIAL NO.
OIL & G	AS CONSERVATION COMMI	SSION	
CLINE	DV MOTICES AND DEPONT	C ON WELLS	6. IF INDIAN, ALLOTTER OR TRIBE NAME
	RY NOTICES AND REPORT		
	rm for proposals to drill or to deepen or p Use "APPLICATION FOR PERMIT—" for at	ich proposals.)	
OIL OIL	3		7. UNIT AGREEMENT NAME
WELL A WELL	OTHER		
, NAME OF OPERATOR	MAPCO Inc.	***	8. FARM OR LEASE NAME Wilkins
ADDRESS OF OPERATOR	Suite 320, Plaza West		9. WELL NO.
	1537 Avenue D. Billings.	Montana 59102	1 - 24
LOCATION OF WELL (Rep	ort location clearly and in accordance with	any State requirements.*	10. FIELD AND POOL, OR WILDCAT
At-surface	NW NE (32) FNL 6 1300	FEL) Section 24,	Altamont
	T. 1 S., R. 5 W.,		11. BRC., T., B., M., OR BLE. AND HUNNEY OR ARMA
	Duchesne County, Utah		Section 24,
1. PERMIT NO.	15. BLEVATIONS (Show wheth		T. 1 S., R. 5 W., 12. COUNTY OR PARISE 13. STATE
43-013-30320	6957' Ungrade		Duchesne Utah
3.	Check Appropriate Box To Indicat	e Nature of Notice, Report, or (Other Data
NOT	CICE OF INTENTION TO:	SUBBRE	UENT REPORT OF:
TEST WATER SHUT-OFF	PULL OR ALTER CASING	WATER SHUT-OFF	REPAIRING WELL
	MULTIPLE COMPLETE	, , , , , , , , , , , , , , , , , , , ,	
FRACTURE TREAT	MCLTIFUE COMPLETE	FRACTURE TREATMENT	ALTERING CASING
SHOOT OR ACIDIZE	ABANDON*	FRACTURE TREATMENT SHOOTING OR ACIDIZING	ABANDONMENT*
		SHOOTING OR ACIDIZING (Other)	ABANDONMENT*
SHOOT OR ACIDIZE REPAIR WELL (Other)	ABANDON® CHANGE PLANS	SHOOTING OR ACIDIZING (Other) (NOTE: Report result Completion or Recomp	abandonment* s of multiple completion on Well bletion Report and Log form.)
SHOOT OR ACIDIZE REPAIR WELL (Other) DESCRIBE PROPOSED OR CO proposed work. If w	ABANDON*	SHOOTING OR ACIDIZING (Other) (NOTE: Report result Completion or Recomp	abandonment* s of multiple completion on Well bletion Report and Log form.)
SHOOT OR ACIDIZE REPAIR WELL (Other) DESCRIBE PROPOSED OR CO proposed work. If w nent to this work.)*	ABANDON® CHANGE PLANS OMPLETED OPERATIONS (Clearly state all pertel is directionally drilled, give subsurface	SHOOTING OR ACIDIZING (Other) (NOTE: Report result Completion or Recomp	abandonment* s of multiple completion on Well bletion Report and Log form.)
SHOOT OR ACIDIZE REPAIR WELL (Other) DESCRIBE PROPOSED OR CO proposed work. If w	ABANDON® CHANGE PLANS OMPLETED OPERATIONS (Clearly state all pertel is directionally drilled, give subsurface	SHOOTING OR ACIDIZING (Other) (NOTE: Report result Completion or Recomp	abandonment* s of multiple completion on Well bletion Report and Log form.)
SHOOT OR ACIDIZE REPAIR WELL (Other) DESCRIBE PROPOSED OR CO proposed work. If w nent to this work.)*	ABANDON® CHANGE PLANS OMPLETED OPERATIONS (Clearly State all pertell is directionally drilled, give subsurface T - CONTINUED	SHOOTING OR ACIDIZING (Other) (NOTE: Report result ('ompletion or Recompletion or Recompletion or Recompletion or Recompletion or Recompletion of Recompleti	a of multiple completion on Well pletion Report and Log form.) including estimated date of starting any rail depths for all markers and zones perti-
SHOOT OR ACIDIZE REPAIR WELL (Other) DESCRIBE PROPOSED OR CO proposed work. If w nent to this work.)	ABANDON CHANGE PLANS OMPLETED OPERATIONS (Clearly state all pertell is directionally drilled, give subsurface T - CONTINUED Halliburton squeeze cemen	(Other) (Note: Report result Completion or Recompliant details, and give pertinent dates locations and measured and true vertical ted with 200 sacks Classical Control of the completion of the	abandonment* s of multiple completion on Well pletion Report and Log form.) t, including estimated date of starting any rai depths for all markers and zones perti-
SHOOT OR ACIDIZE REPAIR WELL (Other) DESCRIBE PROPOSED OR CO proposed work. If w nent to this work.)	ABANDON® CHANGE PLANS OMPLETED OPERATIONS (Clearly state all pertell is directionally drilled, give subsurface) T - CONTINUED Halliburton squeeze cement cement into hole in 7-5/8	(Other) (Note: Report result Completion or Recompliant details, and give pertinent dates locations and measured and true vertical ted with 200 sacks Classifications by 10 barrels.	a of multiple completion on Well sletion Report and Log form.) In including estimated date of starting any all depths for all markers and zones pertices: SS ''G'. Overdisplaced WOC. Halliburton
SHOOT OR ACIDIZE REPAIR WELL (Other) DESCRIBE PROPOSED OR CO proposed work. If w nent to this work.)	ABANDON* CHANGE PLANS OMPLETED OPERATIONS (Clearly state all pertell is directionally drilled, give subsurface) T - CONTINUED Halliburton squeeze cement cement into hole in 7-5/8 squeeze cemented with 300	(Other) (Note: Report result Completion or Recompletion or Recompletion or Recompletions and measured and true vertical casing by 10 barrels. Sacks Class Sacks C	abandonment* a of multiple completion on Well bletion Report and Log form.) , including estimated date of starting any rai depths for all markers and zones perti-
SHOOT OR ACIDIZE REPAIR WELL (Other) DESCRIBE PROPOSED OR CO proposed work. If w nent to this work.)*	ABANDON* CHANGE PLANS OMPLETED OPERATIONS (Clearly state all pertell is directionally drilled, give subsurface) T - CONTINUED Halliburton squeeze cement cement into hole in 7-5/8 squeeze cemented with 300 Pumped a total of 56 barr	(Other) (Note: Report result (Completion or Recompletion or Recompletion or Recompletions and measured and true vertical contents and measured and true vertical contents are selected with 200 sacks Class (Class	abandonment* s of multiple completion on Well bletion Report and Log form.) , including estimated date of starting any rai depths for all markers and zones perti- iss ''G'. Overdisplaced WOC. Halliburton the RTTS set at 6046'. Inped and staged 52 bbls.
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APPROVED BY CONDITIONS OF APPROVAL, IF ANY:

Form DGCC-1	b •
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OGCC-1 b.	STATE C	<b>F</b> \E 11 T A 19	•	SUBMIT IN TR	IPLICATE.	•	
<i>" "</i>			•	(Other instructi		5. LEASE DESIGNATION	AND BERIAL NO.
OIL & GA	S CONSERVA	TION COMMIS	SION				
CHNID	NOTICES	AND REPORTS	NO.	WELLS		6. IF INDIAN, ALLOTTEI	OR TRIBE NAM
(Do not use this for	m for proposals to d	irill or to deepen or plu FOR PERMIT—" for suc	g back t	o a different reser	voir.		
OIL X CAS WELL	PERTO					7. UNIT AGREEMENT NA	мв
2. NAME OF OPERATOR	<del></del>	<del></del>	٠.		<del></del>	8. FARM OR LEASE NAM	(3
	MAPCO Inc.					Wilkins	
8. ADDRESS OF OPERATOR	Suite 320,	Plaza West			<del>,</del>	9. WELL NO.	
	1537 Avenue	D, Billings,	Monta	na 59102		1 - 24	
4. LOCATION OF WELL (Repo						10. PIELD AND POOL, OF	R WILDCAT
See also space 17 below.) At surface	NW NE (927'	FNL & 1580' F	FEL) S	ection 24,		Altamont	
	T. 1 S., R.	5 W.,				11. SEC., T., B., M., OR S SURVEY OR ARMA	
	Duchesne Co	unty, Utah				Section 24,	
		·				T. 1 S., R. 5	. W.
14. PERMIT NO.	15. Z	LEVATIONS (Show whether	r DF, RT, C	IR, etc.)	· · · · · · · · · · · · · · · · · · ·	12. COUNTY OR PARISH	
43-013-30320		6957' Ungraded	Grou	ınd	·	Duchesne	Utah
16.	Check Appropri	ate Box To Indicate	Natur	e of Notice, Re	port, or O	ther Data	
NOTI	ICE OF INTENTION TO	:	- 1		SUBSEQU	ENT REPORT OF:	
TEST WATER SHUT-OFF	PULL OR	ALTER CASING	1	WATER SHUT-OF		REPAIRING V	FELL
FRACTURE TREAT		E COMPLETE		FRACTURE TREAT		ALTERING CA	1
SHOOT OR ACIDIZE	ABANDON		1	SHOUTING OR AC	IDIZING	ABANDONMEN	170
REPAIR WELL	CHANGE	F-1		(Other)			
(Other)	L			(NOTE: Re	port results	of multiple completion a	on Well
7 DESCRIBE PROPOSED OR CO.	MPLETED OPERATIONS	(Clearly state all perti- illed, give subsurface )	nent det	alls, and give pert	inent dates.		e of starting a
1-1 thru 1-31-75	5: T.D. 17,0	020'; waiting o	on com	npletion rig	g and pro	oduction tubing	<b>.</b>

SIGNED (Mrs.) Agnes W. Model	TITLE Geological Clerk & Secretary	' DATE 2-14-75
(This space for Federal or State office use)		
APPROVED BY	TITLE	DATE

torque converter is out. Estimated start up date, 3-3-75.

Geological Clerk & Secretary March 17, 1975

from report until completion rig is repaired.

18. I hereby certify that the foregoing is true and correct

(This space for Federal or State office use)

Agnes

SIGNED .

APPROYED BY

8. I hereby certify that the foregoing is true and correct  SIGNED (WS.) Agnes W. Model  (This against for Federal or State office use)					
	Clanes M Model	Geological Clerk	ε Secretary DATE	4-16-75	-
					=
APPROVED BY TITLE DATE		TITLE	DATE .		_

### EXXON CHEMICAL COMPANY U.S.A.



834-0006-1A WATER ANALYSIS

Houston Chemical Plant 8230 Stedman, Houston, Texas 77029

SAMPLE DESCRIPTION: Water from Wilkins No. 1-24, Altamont Field, Utah

COMPANY:

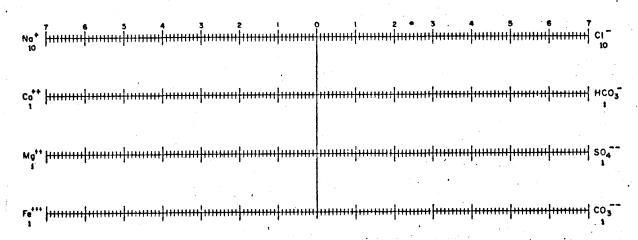
Mapco Production Company, Roosevelt, Utah

STSR NUMBER: REQUESTED BY: 75-6041-31 F. H. Collett DATE RECEIVED: April 1, 1975

C. S. Lieberman ANALYZED BY:

	Mg/L	Meq/L		
Sodium	3,610	157	рН	7.7
Calcium	60	3	Specific Gravity at _60_°F.	1.012
Magnesium	73	6		
Chloride	4,010	113		Mg/L
Sulfate	2,000	42	Oil Content	6
Bicarbonate	683	11.2	Organic Matter	
Carbonate	Nil	-	Hydrogen Sulfide	
Hydroxide	Nil	-	Barium	Nil
TOTAL	10,436			
Dissolved Iron	•			
Total Iron	Trace		And the state of t	

### WATER PATTERN (Stiff Method)



Meq/LITER

Remarks:

MAPCO INC., WILKINS NO. 1-24

NE/4 NE/4 SEC. 24, T. 1 S., R W., USB ε M

### DUCHESNE COUNTY, UTAH

- 2-26-75 T.D. 17,020'; hauled out and tallied 451 joints, 2-7/8", 6.5#, N-80 NuLok tubing. Rigged up and ran 1 joint, 2-1/16", 10 round tubing as a stinger followed by 200 joints, 2-7/8", 6.5#, N-80 NuLok tubing to go in hole to wash off top of plug set in Otis WB Packer. Ran total of 6,139.47' of tubing. Closed BOP's and installed safety valve on tubing and shut down for night.
- 2-27-75 T.D. 17,020'; continued running 2-7/8", 6.5#, N-80 NuLok tubing. Ran additional 224 joints when rig broke their torque converter. Total tubing in hole 424 joints, 2-7/8" tubing plus 1 joint, 2-16" stinger. Total footage, 12,651.18'. Shut down for repairs.
- 2-28-75 T.D. 17,020'; Colorado Well Service Rig #55 broke down. Shaft in the torque converter is out. Estimated start up date, 3-3-75. Drop from report until completion rig is repaired.
- 3-4-75 T.D. 17,020'; Colorado Well Service Rig #55 started up at 3:00 PM, 3-3-75. Picked up additional 19 joints, 2-7/8" NuLok, 6.5#, N-80 tubing when hit fillup in 7-5/8" casing. Fillup calculated to be 232' above packer. Attempted to reverse circulate it out, but rig pump would not work. Worked on rig pump from 5:00 PM to 7:30 PM, 3-3-75. Shut well in and shut down for night.
- 3-5-75 T.D. 17,020'; attempted to reverse circulate. Well pressured to 2,200 psi. Pumped down 2-7/8" tubing. Pressure went to 2,750 psi, then circulated. Reverse circulated. Could not make any hole. Worked and circulated for 2 hours, made 20' hole. Worked tubing and reverse circulated for  $4\frac{1}{2}$  hours. Could not make any hole. Started out of hole with tubing strapping out. Pulled 97 stands tubing. Closed well in and shut down for night. Total fillup left in hole 225' above packer.
- 3-6-75 T.D. 17,020'; continued P00H. 2-1/16" joint of wash pipe on bottom was bent and had been on iron. Started in hole with 6.565" flat bottom mill. Could not get below 180'. P00H. Went back in hole with  $6\frac{1}{2}$ " mill tooth bit. When 38 stands off bottom, found error in the addition of the strap of tubing. Found that 2-1/16" wash pipe was on top of packer. P00H. Lacked 60 stands of being out of hole when closed well in and shut down for night.
- 3-7-75 T.D. 17,020'; continued pulling stands of tubing. Broke out bit and installed Otis Seal Assembly and started in hole with 2-7/8", 6/5#, N-80, NuLok tubing. Hydro-tested to 10,000 psi below slips. No leaks. Ran 171 stands in hole. Closed well in and shut down for night.

MAPCO INC., WILKINS NO. 1-24

NE/4 NE/4 SEC. 24, T. 1 S., R. W., USB & M

### DUCHESNE COUNTY, UTAH

- 3-8-75

  T.D. 17,020'; continued running 2-7/8" production string, hydrotesting each stand to 10,000#. Found no leaks. Spaced out and hydro-tested hanger seal to 10,000#. Tubing in hole as follows: Otis Seal Assembly, 443 joints, 2-7/8", 6.5#, Armco NuLock N-80 tubing plus 1 3' pup joint. Landed 2-7/8" tubing at 13,485.02' with 4,000# set down weight on packer. Pumped down 2-7/8" tubing and circulated to pit as follows: 175 barrels fresh water (120°F), 365 barrels inhibited 10#/gallon, CaCl₂ water (120°F), and 75 barrels fresh water (120°F). Latched into packer and hung tubing in spool. Set Gray BPV in 2-7/8". Closed well in and shut down for night.
- 7.D. 17,020'; picked up and ran in hole 150 joints, 2-7/8", 4.7#, J-55 Armco Seal Lock used tubing with overall measurements 4,462.75', landed at 4,483.75' KB. Removed L & M 6" BOP and installed Gray tree. Rigged up BJ and tested 2-7/8" tubing through tree to 10,000#. Held pressure on tubing for 15 minutes. No bleed off. Pressured annulus to 2,500 psi for 15 minutes. No bleed off. Rigged down BJ. Closed tree and shut down for night.
- 3-10-75 T.D. 17,020'; DBA Oil Service rigged up lines to well head. Rigged up GO International and went in hole with Otis XX plug retriever, spang jars, hydraulic jars, CCL and 14 sinker bars. Latched onto Otis XX plug. Pressure on tubing had increased to 3,000 psi with wireline displacement. After latching unto plug, it would not equalize. Bled pressure on well head to 400 psi and jarred down on plug. Pressure on tubing increased to 1,000 psi. Jarred on plug attempting to get loose. Plug would not come loose. Jarred on plug, but could not move it. Bled pressure on tubing to zero. Attempted to jar plug loose, but could not do so. Jarred on plug both ways. Could not get off tool by shearing down and could not get plug loose by jarring up. After jarring for eight hours, pulled out of rope socket. POOH. Closed well in and shut down for night.
- 3-11-75 T.D. 17,020'; GO International ran in hole with overshot, hydraulic jars, spang jars, CCL, and 14' sinker bar. Well head pressure was zero when started in hole. Latched onto fish and attempted to jar up to pull XX plug which fish was latched onto. Both sets of hydraulic jars and both sets of spang jars were working. Unable to get anything loose. Rigged up BJ and pumped on tubing while working wireline. Increased pressure on tubing to 3,500 psi by BJ. Still could not get plug loose. Started jarring down with GO International to shear off Otis plug retreiver. Finally sheared off and POOH. Retreived everything from hole but Otis XX plug. Went back in hole with GO International 2-1/8" tubing jet cutter gun. Logged through packer and found that could only get to middle XX nipple. Did not shoot off. POOH. Closed well in and shut down for night.

MAPCO INC., WILKINS NO. 1-24

NE/4 NE/4 SEC. 24, T. 1 S., R. W., USB ε M

### DUCHESNE COUNTY, UTAH

- 3-12-75 T.D. 17,020'; rigged up GO International and went in hole with 4 shot perforation gun, CCL, 21' sinker bars. Logged top of packer and top X-nipple. Shot 4 holes in 10' pup joint, 8' below top X-nipple. Perforated 13,503' to 13,504' KB. Pressure on tubing went from 0 to 2,000 psi when gun fired. P00H and rigged GO International down. Tubing pressure, 2,800 psi. Opened well to pit on 12/64" choke with 2,800 psi FTP, decreased to 800 psi in 1 hour. Opened choke to 20/64", pressure decreased from 800 psi to zero. Opened choke to 30/64" for 4½ hours, flowing very small stream of water. No gas to surface. Shut well in at 5:30 PM, 3-11-75, to wait on NOWSCO tubing unit. Flowed approximately 50 barrels water to pit. Well head had 800 psi on tubing at midnight.
- 3-13-75 T.D. 17,020'; rigged up NOWSCO 3/4" coiled tubing unit and N₂ pump truck. Well head pressure, 1,200 psi. Opened well to pit, well died in 10 minutes. Started in hole with coiled tubing and 400 SCFM N₂. Blew water out of hole to pit. Hit mud at 5,000'. Continued pumping 450-500 SCFM N₂. Mud coming out was so thick that it would not even run as it came out to pit. Could not even push tubing in hole. Finally worked tubing 8,000' and ran out of N₂. Hat to POOH and get another N₂ truck for 3-13-75. Closed well in and shut down for night.
- T.D. 17,020'; well head pressure, 2,400 psi. Opened well to pit on 32/64" choke. Well started making gas, and oil cut mud. Started in hole with 3/4" NOWSCO coiled tubing, pumping 300 SCFM N2. Well kicked gas, oil and oil cut mud. Ran tubing to 10,000'. Well started making oil and gas and mud. Choke on 48/64" and pressure varied from 40 psi to 600 psi. POOH and rigged NOWSCO down. Left well flowing to pit on 24/64" choke with 500 psi FTR. Well flowed mud, oil cut mud, and gas. Well died after flowing for 4 hours to pit. Closed well in. After 2 hours, no pressure. After 6 hours well had 500 psi on tubing. Opened well to pit on 24/64" choke, well died in 30 minutes. Closed well in. Tubing pressure was 2,550 psi at 5 AM, 3-14-75.
- T.D. 17,020'; flowed 742 barrels of oil in 14 hours through 45/64' choke at 4300 psi FTP. Shut in for 10 hours at 4300 psi FTP. Opened well to pit with 4,000 psi on 24/64" choke. Well made mud, oil, and gas. Left well flowing to pit for 6 hours. When it cleaned up, turned well to tanks bypassing treater. Well was making 65 BPH. Left well flowing to tanks bypassing treater until filled two 1,000 barrels storage tanks.





Form OGCC-3

### SUBMIT IN DUPLICATE*

### STATE OF UTAH

(See other in-

	OIL & GAS	CONSERV	ATION	COM	1 M I S S I	ON	struction reverse		DESIGNAT	ION AND SERIAL NO
WELL CO	MPLETION	OR RECO	MPLETI	ON I	REPOF	T AN	ID LOG	6. IF INDI	AN, ALLO	TTEE OR TRIBE NAM
1a. TYPE OF WEL	L: OII.	X GAS WELL	DE	XY 🗍	Other			7. UNIT AC	GREEMENT	r NAME
b. TYPE OF COM	•									
METT X	OVER DEEP-	PLUG BACK	DIFF. RESV	R	Other			S. FARM O		NAME
2. NAME OF OPERAT							<del></del>	Wilkin	าร	
	MAPCO							9. WELL N		
3. ADDRESS OF OPE		320 Plaza Avenue D,		nas. I	Montan	a 59	102	10 FIELD		, OR WILDCAT
4. LOCATION OF WE		-						Altamo		, on window
At surface		NW NE					•	11. SEC., T	., R., M., (	OR BLOCK AND SURVE
At top prod. int	erval reported belo	w Section	n 24, T	. 1 9	S., R.	5 W.		OR ARE	ia.	
		Duchesi	ne Cour	ity, l	Jtah			Section		
At total depth						· · · · · · · · · · · · · · · · · · ·	:	T. 1 S		
•				MIT NO.		_	ISSUED	12. COUNTY PARISH	Ī	13. STATE
15. DATE SPUDDED	1 10 0 000 00 000	7: [ 15	43-01				12-74	Duches		Utah
6-15-74	16. DATE T.D. REA	j	в соми (. 11-75	неаау т			VATIONS (DF, B GL - 69	:КВ, RT, GB, ETC.)*	, 19. E	ELEV. CASINGHEAD
20. TOTAL DEPTH, MD		BACK T.D., MD &		IE MUL	TIPLE CON		1 93 INTERES	TO DOTADY TO	OUS	CABLE TOOLS
17,020'	1	6,800'		HOW M	ANY*	,	DRILLED	Surf-1702	20'	
24. PRODUCING INTER		<b>*</b>	, BOTTOM, I	NAME (M	ID AND T	/D)*		747,0.		. WAS DIRECTIONAL
										SURVEY MADE
	13,810-16,								}	No
26. TYPE ELECTRIC A	ND OTHER LOGS RU				Indu	ction	Laterol	og 8,	27. W	AS WELL CORED
		FDC-CNI	Calip	er			:			No
28.	T WEYORM IN /H		NG RECOR			ings set i			<del> </del>	
9-5/8"	36	363°			LE SIZE		1050 sa	TING RECORD	.	AMOUNT PULLED
7-5/8"	26.4, 29.7		<b>/</b>		1/4		1000 540		l·	·
1 310	33.7	13810	)	8-	-3/4"	<del> </del>	750 sad	cks		
										<del> </del>
29.	L	NER RECORD	<del></del> .		····	<u> </u>	30.	TUBING REC	CORD	
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CE	MENT*	SCREEN	(MD)	SIZE	DEPTH SET (	MD)	PACKER SET (MD)
5-1/2"	13,495	16,800	None				2-3/8"	44841		
							2-7/811	13,485'		13,485'
31. PERFORATION REC	ORD (Interval, size	and number)			32.	AC	ID, SHOT, FR	ACTURE, CEMEN	T SQUE	EZE, ETC.
15,712-15,					DEPTH	INTERVA	L (MD)	AMOUNT AND KI	ND OF M	ATERIAL USED
15,734-15,										
16,018-16,									_ <del></del>	,: <del></del>
All zones s	hot w/2 sho	ts/ft.							<del></del>	<del></del>
33.*				PROF	UCTION					· · · · · · · · · · · · · · · · · · ·
DATE FIRST PRODUCTI	ON PRODUCT	TION METHOD (F	lowing, gas			ize and t	ype of pump)	WELI	L STATUS	(Producing or
3-14-75	i	owing							ut-in)	Producing
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N.		OILBÉ	L.	GAS-MCF.	WATER-BE	3L.   6	GAS-OIL RATIO
3-17-75	72	18/64	TEST P	— <del>&gt;</del>	2592		864	9		333
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL-BI		GA	8-MCF.	WA	TER-BBL.		AVITY-API (CORR.)
2000-1500 psi		<b>──</b>	86	4		288		3		44.4
34. DISPOSITION OF G	as (Sold, used for fu	iel, vented, etc.)						TEST WITH	essed by Grin	
35. LIST OF ATTACHM		· · · · · · · · · · · · · · · · · · ·	<del></del>					, , , , , , ,	. UI III	1116
vr maancald	None									

SIGNED

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

Manager of Operations

TITLE Northern District

DATE June 13, 1975

# NSTRUCTIONS

or both pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the namber of copies to be and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the namber of copies to be and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions. If not filled instructions on items 24, and 33, below regarding separate reports for separate completions. If not filled prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Hem 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions. General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency

Hem 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Hem 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 24 and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 83. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Hem 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Hem 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

BHOW ALL IMP DEPTH INTERVA	ILI, IMPURTANT ZONES OF PO Interval Tested, Cushion	BHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; DEFTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING	'S THERROF; CORED INTERVALS; AND ALL DEILL-STEM TESTS, INCLUDING EN, PLOWING AND SHUT-IN PRESSURES, AND RECOVERIES	38.	GEOLOGIC MARKERS	
FOR MATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.		TOP	
-				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
				Lower Green River Marker 1	11,330	(-4352)
	-			Top Red Beds	13,086	(-6108)
				Base Red Beds	15,646	(-8668)
3 o 1975 nuc						

TEST WATER SHUT-OFF

SHOOT OR ACIDIZE

REPAIR WELL

16.

OGCC-1 b.				Į.
	TE OF UTAH	SUBMIT IN TRIPLICATE		
OIL & GAS CONS	ERVATION COMMISSION	verse side)	5. LEASE DESIGNATIO	N AND BERIAL NO.
	CES AND REPORTS ON als to drill or to deepen or plug back to the drill of the deepen of plug back to the for permit—" for auch proposition for permit—" for auch proposition for permit—" for auch proposition for permit for auch proposition for auch		6. IF INDIAN, ALLOTA	ES OR TRIBE NAME
OIL X GAB OTHER			7. UNIT AGREEMENT )	EMAN
2. NAME OF OPERATOR			8. FARM OR LEASE NA	LMB
MAPCO Inc	•	÷.	Wilkins	
8. ADDRESS OF OFERATOR Suite 320	, Plaza West		9. WELL NO.	
1537 Aven	ue D, Billings, Montana	59102	1 - 24	:
6. LOCATION OF WELL (Report location cle Bee also space 17 below.) At surface NW NE (92	early and in accordance with any State 7' FNL & 1580' FEL) Sec		10. FIELD AND POOL, Altamont	OR WILDCAT
T. 1 S., Duckesne	R. 5 W., County, Utah		11. asc., T., R., M., OR SURVEY OR, ARE Section 24, T. 1 S., R.	'▲
14. PERMIT NO.	15. BLEVATIONS (Show whether DF, RT, C	ia, eta.)	12. COUNTY OR PARIS	
43-013-30320	6957' Ungraded Gro	ound	Duchesne	Utah
16. Check An	proposte Box To Indicate Natur	e of Notice Report or	Other Data	:

WATER SHUT-OFF

(Other)

FRACTURE TREATMENT

BHOUTING OR ACIDIZING

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) (Other) 17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Subject well has junk blocking the 5-1/2" liner at 15,742'. Efforts to remove the junk were unsuccessful.

Plans are to redrill (sidetrack) the interval 15,740-16,340' and install a 3-1/2" liner across the interval. The proposed work will effectively recomplete this well in the productive interval (Wasatch).

APPROVED BY THE DIVISION OF OIL, GAS, AND MINING

NOTICE OF INTENTION TO:

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

BY: ______



BUBBBQUENT REPORT OF:

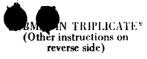
REPAIRING WELL

ALTERING CABING

ABANDONMENT*

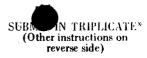
8. I hereby certify that the foregoing is true and correct  BIGNED J. D. Holliman	Manager of Operations TITLE Northern District	DATE January 12, 1976
(This space for Federal or State office use)		
APPROVED BYCONDITIONS OF APPROVAL, IF ANY:	TITLE	DATE

# STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES



DIVI	5. LEASE DESIGNATION	5. LEASE DESIGNATION AND SERIAL NO.		
SUNDRY NC (Do not use this form for pro-	DTICES AND REPORTS ( posals to drill or to deepen or plug I CATION FOR PERMIT—" for such p	ON WELLS pack to a different reservoir. roposals.)	6. IF INDIAN, ALLOTTE	SE OR TRIBE NAME
OIL UAS OTHER			7. UNIT AGREEMENT N	AMB
2. NAME OF OPERATOR			8. FARM OR LEASE NA	MB
A.F.E. Management Co	. (c/o D.A. Kimball)		Wilkins	
3. ADDRESS OF OPERATOR	VO/O DOME NAMEDIA		9. WELL NO.	
36 South State Stree 4. Location of Well (Report location See also space 17 below.)	t. Salt Lake City. Uta clearly and in accordance with any	h State requirements.*	1-24 <b>A</b> 5 10. FIELD AND POOL, C	DR WILDCAT
NW NE NE (927 F	NL 1580' FEL) Secti	on 24	Altamont 11. SEC., T., R., M., OR SURVEY OR AREA Section 24	•
14 papers as		***************************************		nta SPM
14. PERMIT NO.	15. ELEVATIONS (Show whether DF	•	12. COUNTY OR PARISE	}
43-013-30320	6957 Ground Le		<u>Duche sne</u>	Utah
16. Check A	Appropriate Box To Indicate N	ature of Notice, Report, o	or Other Data	
NOTICE OF INTE	INTION TO:	AUB	SEQUENT REPORT OF:	
TEST WATER SHUT-OFF	FULL OR ALTER CASING	WATER SHUT-OFF	REPAIRING	WELL
FRACTURE TREAT	MULTIPLE COMPLETE	FRACTURE TREATMENT	ALTERING C	ASING
SHOOT OR ACIDIZE	ABANDON*	SHOOTING OR ACIDIZING	ABANDONME	and the same
REPAIR WELL	CHANGE PLANS	( - +	Report of Operat	
(Other)		(Note: Report res	ults of multiple completion ompletion Report and Log fo	on Well rm.)
SIGNED P.L. Driscol (This space for Federal or State of	Mucul CTITLE CO	nsultant	DATENOV.	2,1981
APPROVED BY	ANY:		DATE	

## STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES



		ION OF OIL, GAS, AND		5. LEASE DESIGNATION AND SERIAL NO.
_	SUNDRY NOT (Do not use this form for propo	TICES AND REPORTS  Pals to drill or to deepen or plu ATION FOR PERMIT—" for such	ON WELLS  g back to a different reservoir.  h proposals.)	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
1.				7. UNIT AGREEMENT NAME
2.	NAME OF OPERATOR			8. FARM OR LEASE NAME
_	A.F.E. Management Co	o		Wilkins
8.	ADDRESS OF OPERATOR			9. WELL NO.
4.	Suite 208 372 Bay S	Street, Toronto, Or	ntario, Canada M5H2W9	1-24 <b>A</b> 5
₹.	LOCATION OF WELL (Report location of See also space 17 below.)  At surface	•	ny State requirements.	10. FIELD AND POOL, OR WILDCAT
	NW NE	E装 Section 24		Altamont 11. SEC., T., R., M., OR BLK. AND
	(927 FN	NL 1580 FEL)		SURVEY OR AREA
				Section 24 T1S R5W Uinta Meridia
14.	. PERMIT NO.	15. ELEVATIONS (Show whether	,,,	12. COUNTY OR PARISH 18. STATE
	43-013-30320	6957 Ground I	Level	Duchesne Utah
16.	Check Ap	ppropriate Box To Indicate	Nature of Notice, Report, or C	Other Data
	NOTICE OF INTEN	TION TO:	) Burnerus	UBNT REPORT OF:
	TEST WATER SHUT-OFF	PULL OR ALTER CASING	WATER SHUT-OFF	REPAIRING WELL
		MULTIPLE COMPLETE	FRACTURE TREATMENT	ALTERING CASING
	SHOOT OR ACIDIZE	ABANDON*	SHOOTING OR ACIDIZING	ABANDONMENT*
	REPAIR WELL	CHANGE PLANS	(Other)	ort of Operations X
	(Other)		(NOTE: Report results Completion or Recompl	of multiple completion on Well etion Report and Log form.)
	Evolue t	cion and workeyer as	randum completed Com	-labian mia mill
		_	cocedure completed. Com	pletion rig will
	be move	ed in during early p	oart of 1982	
	1			
8.	I hereby certify that the foregoing is	true and correct		
	SIGNED Talrich & In	sall TITLE	Consultant	DATE Dec. 14, 1981
	<u> Patrick L. Drisco</u>	11		
	(This space for Federal or State offic	re use)		
	APPROVED BYCONDITIONS OF APPROVAL, IF A	NY:		DATE

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

## STATE OF UTAH



DEPARTMENT OF NATURAL RESOURCES 5. LEASE DESIGNATION AND SERIAL NO. DIVISION OF OIL, GAS, AND MINING 6. IF INDIAN, ALLOTTEE OR TRIBE NAME SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.

Use "APPLICATION FOR PERMIT—" for such proposals.) 7. UNIT AGREEMENT NAME WELL X WELL OTHER NAME OF OPERATOR 8. FARM OR LEASE NAME A.F.E Management Limited WILKINS 9. WELL NO. 3. ADDRESS OF OPERATOR Suite 208 372 Bay Street, Toronto, Ontario, Canada M5H 1-2445 LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*

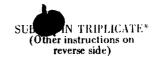
See also space 17 below.)

At surface

NW1/2 NE1/2 Section 24 10. FIELD AND POOL, OR WILDCAT Altamont 11. SEC., T., R., M., OR BLK. AND SURVEY OF AREA Section 24 (927 FNL 1580 FEL) Finta Special T1S 14. PERMIT NO. 15. BLEVATIONS (Show whether DF, RT, GR, etc.) 12. COUNTY OR PARISH 18. STATE 6957 Ground Level 43-013-30320 Duchesne Utah 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF: REPAIRING WELL WATER SHUT-OFF TEST WATER SHUT-OFF PULL OR ALTER CASING FRACTURE TREATMENT ALTERING CABING FRACTURE TREAT MULTIPLE COMPLETE ABANDONMENT* SHOUTING OR ACIDIZING SHOOT OR ACIDIZE ABANDON* (Other) Monthly Operations Report REPAIR WELL CHANGE PLANS (NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) (Other) 17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) * **JANUARYS** REPORT Workover procedure and evaluation has been completed. A workover rig will be moved in as soon as the weather moderates. 18. I hereby certify that the foregoing is true and correct SIGNED . (This space for Federal or State office use)

TITLE

DATE



STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OUL GAS AND MINING

DIV	5. LEASE DESIGNATION AND SERIAL NO.		
	OTICES AND REPORTS ( oposals to drill or to deepen or plus LICATION FOR PERMIT—" for such p		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
I. OV.			7. UNIT AGREEMENT NAME
WELL WELL OTHER	l .		
2. NAME OF OPERATOR	agement Limited		8. FARM OR LEASE NAME Wilkins
A.F.E. Mana			9. WELL NO.
	treet, Toronto, Ontario	o. Canada M5H 2W9	#1-24 <b>-A</b> 5
LOCATION OF WELL (Report location	on clearly and in accordance with any		10. FIELD AND FOOL, OR WILDCAT
See also space 17 below.) At surface	NE Section 24		Altamont
· -			11. SEC., T., R., M., OB BLK. AND SURVEY OR AREA
(927 FNL	1580FEL)		Section 24 T1S R5W USM
43-013-30320	15. FLEVATIONS (Show whether DF 6957 Groun		Duchesne Utah
	0737 GIOGI	io hevel	Duche July
6. Check	Appropriate Box To Indicate N	lature of Notice, Report, or (	Other Data
NOTICE OF IN	FENTION TO:	SUBSEC	UENT REPORT OF:
TEST WATER SHUT-OFF	PULL OR ALTER CASING	WATER SHUT-OFF	REPAIRING WELL
FRACTURE TREAT	MULTIPLE COMPLETE	FRACTURE TREATMENT	ALTERING CASING
SHOOT OR ACIDIZE	ABANDON®	SHOUTING OR ACIDIZING	ABANDONMENT*
REPAIR WELL	CHANGE PLANS	(Other) Notice of A	cquisition X
(Other)			s of multiple completion on Well pletion Report and Log form.)
proposed work. If well is dire nent to this work.) *	ctionally drilled, give subsurface locat	tions and measured and true vertice	, including estimated dute of starting an cal depths for all markers and zones perti
This well wh	nich had been previousl	ly owned and operated	by Mapco, Inc. has
been purcha	sed during the latter	part of 1981 by A.F.	E. Management Limited.
It is propo	osed to rework the well	during the Early Sp	ring of 1982
The local	agent for A.F.E. Manag	gement Limited is:	
	Patrick L.	Driscoll	
	1933 E. Tar	tan Avenue	
	Salt Lake (	Lity. Utah 84108	
	Sale have C	itty, otan owioc	
7			
8. I hereby certify that the foregoing	g is true and correct		1 /)
SIGNED Shung	Surant TITLE CE	nsultant	DATE 2/18/82
(This space for Federal or State	office use)		
ADDDOUGH BV	TITLE		DATE
CONDITIONS OF APPROVAL, I			



Scott M. Matheson, Governor Temple A. Reynolds, Executive Director Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

May 20, 1982

A. F. E. Management 1933 East Tartan Ave. Salt Lake City, Utah 84108

> Re: Well No. Wilkins #1-24 Sec. 24, T. 1S, R. 5W. Duchesne County, Utah

### Gentlemen:

This letter is to advise you that the Well Completion or Recompletion Report and Log for the above mentioned well is due and has not been filed with this office as required by our rules and regulations.

Please complete the enclosed Form OGC-3, in duplicate, and also all drilling information on this well is needed to be forwarded to this office as soon as possible.

Thank you for your cooperation relative to the above.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

Cari Furse Clerk Typist

## PATRICK L. DRISCOLL, P.E.

PETROLEUM ENGINEER 1933 E. TARTAN AVE. SALT LAKE CITY, UTAH 84108 (801) 582-7247

May 29, 1982

Ms. Cari Furse
Department of Natural Resources
Division of Oil, Gas and Mining
4241 State Office Building
Salt Lake City, Utah 84114

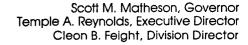
Re: A.F.E. Management Ltd.
Wilkins #1-24 T1S R5W
Duchesne County, "Itah

Dear Ms. Furse;

In regards to your letter of May 20, 1982 in respect to the subject well, please be advised that the recompletion work that is intended for this well has not yet commenced. It is presently shut-in and will remain in that category until the recompletion work on A.F.E. Management's Dennie Ralphs #1 is finalized. This will probably be around the First of July.

Very truly yours,

Patrick L. Driscoll





4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

March 21, 1983

A. F. E. Management 372 Bay Street, Suite # 208 Toronto, Ontario, Canada M5H 2W9

> Re: Well No. Wilkins # 1-24 Sec. 24, T. 1S, R. 5W. Duchesne County, Utah (June 1982- February 1983)

### Gentlemen:

Our records indicate that you have not filed the monthly drilling reports for the months indicated above on the subject well.

Rule C-22, General Rules and Regulations and Rules of Practice and Procedure, requires that said reports be filed on or before the sixteenth (16) day of the succeeding month. This report may be filed on Form OGC-1B, (U.S. Geological Survey Form 9-331) "Sundry Notices and Reports on Wells", or on company forms containing substantially the same information. We are enclosing forms for your convenience.

We will be happy to acknowledge receipt of response to this notice if you will include an extra copy of the transmittal letter with a place for our signature, and a self addressed envelope for the return. Such acknowledgement should avoid unnecessary mailing of a firm second notice from our agency.

Your prompt attention to the above will be greatly appreciated.

Respectfully,

DIVISION OF OIL, GAS AND MINING

Cari Furse

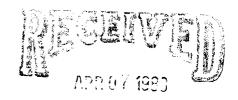
Well Records Specialist

CF/cf Enclosure

## AFE management limited

372 BAY STREET, SUITE 208, TORONTO, ONTARIO M5H 2W9 (416) 366-4257

March 30, 1983



DIVISION OF

OIL, GAS & MINING

State of Utah
Natural Resources & Energy
Oil, Gas & Mining
4241 State Office Building
Salt Lake City, Utah 84114
U.S.A.

ATTENTION: CARI FURSE, WELL RECORDS SPECIALIST

Gentlemen:

RE: WILKINS 1-24A5, Sec. 24, T1S R5W, Duchesne Co., Utah API No. 43-103-80320

In reply to your letter of March 21, 1983 regarding the above-captioned well, this is to advise you that no workover has taken place on the site during the months of June 1982 - February 1983. We have, however, flowed the well to the tanks intermittently, such activity being reported monthly on Form DOGC-4, Report of Operations and Well Status Report.

It is our intention to recomplete this well in the Green River Formation during April of 1983 and we will therefore file our Application for Permit shortly.

Yours truly,

∌ohn L. Tindale, P.Eng.

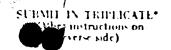
JLT:des

We acknowledge receipt of response

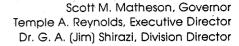
Lari Furse

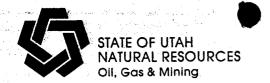
Date: 4-8-83

# DEPARTMENT OF NATURAL RESOURCES



DIVISION OF DIE,	GAS, AND MINII	<b>V</b> G	O. LEADE DESIGNATION AND BERIAL PO.
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			7. UNIT AGREEMBNY NAME
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2. HAMB OF OPERATOR		<del></del>	8. PARM OR LBASE HAMB
AFE Management			Wilkins
\$. ADDRES OF OFREATOR			9. WELL NO.
372 Bay Street, Suite 208, Toronto			1-24
<ol> <li>LOCATION OF WELL (Report location clearly and in account of the second of</li></ol>	ordance with any Sta	te requirements.	10. PIBLD AND POOL, OR WILDCAY
920' FNL, 1580' FEL, Se	otion 2/	*	Altamont
720 THE, 1300 THE, 56	CCION 24		11. BEC., T., R., W., OR BLE. AND BURNEY OR AREA
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		, 02, 102,	· · · · · · · · · · · · · · · · · · ·
GR 695			Duchesne Utah
Check Appropriate Box	To Indicate Nati	ore of Notice, Report, or	Other Data
BOTICE OF INTENTION TO:	i	SUBEI	EQUENT REPORT OF:
TEST WATER SHOT-OFF PULL OR ALTER CA	LEING	WATER BRUT-OFF	REPAIRING WELL
PRACTURE TREAT MULTIPLE COMPLE		PRACTURE TREATMENT	ALTERING CASING
SHOOT OR ACIDIZE X ABANDON®		SHOOTING OR ACTORING	ABAMDONMENT®
REPAIR WELL CHANGE PLANS		(Other)	
(Other)		(Norn: Report resul	its of multiple completion on Well
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly	state all pertinent de	talls, and give pertinent date	npiction Report and Log form.) es, including estimated date of starting an
proposed work. If well is directionally drilled, give nent to this work.) *	subsurface locations	and measured and true vert	ical depths for all markers and sones pert
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12,790'	- 96'	<u>.</u>	
12,676'	- 86'		
12,498'	- 12,502'	<u> </u>	
12,350'	58 ⁱ		
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	7:		
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is. I hereby certify that the foregoing is true and correct	t		=232122 2537
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(This space for Federal or State office use)			그 일, 필요큐 김희 창기실환
APPROVED BY	TITLE		DATE
CONDITIONS OF APPROVAL, IF ANY:		-	
•			Cara to the caracter of the ca





4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

January 6, 1984

AFE Management 372 Bay Street, Suite 308 Toronto, Ontario, Canada M5H 2W9

> RE: Well No. Wilkins #1-24 API #43-013-30320 920' FNL, 1580' FEL Sec. 24, T. 1S, R. 5W Duchesne County, Utah

### Gentlemen:

In preparing our files for data entry we have found that the information that this office has received on the above referred to well is incomplete. It is unclear as to whether or not this well has been worked-over and to what depth it is presently completed.

Please submit a "Sundry Notice" indicating the present status of this well and a "Recompletion Report" if applicable.

Thank you for your prompt attention to this matter.

Respectfully,

Claudia Jones

Well Records Specialist

CLJ/cj Enclosure

## AFE management limited

372 BAY STREET, SUITE 208, TORONTO, ONTARIO M5H 2W9 (416) 366-4257



January 25, 1984

DIVISION OF CAL, GAS & MINING

State of Utah Natural Resources Oil Gas and Mining 4241 State Office Building Salt Lake City, Utah USA 84114

ATTENTION:

Claudia Jones,

Well Records Specialist

Gentlemen:

RE: Wilkins #1-24 API #43-013-30320 Sec. 24 T.1S. R.5W. Duchesne County, Utah

In reply to your letter of January 6, 1984 I am enclosing herewith updated "Sundry Notice" and "Recompletion Report" on the above captioned well.

Yours very truly,

AFE MANAGEMENT LIMITED

J. L. Tindale, P. Eng.

Geologist

JLT:acp

**Enclosures** 

## STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL GAS AND MINING

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SUBMIT IN	DU	ATE*
(See othe		
on rev	erse sid	le)

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b TYPE OF COM	MPLETION:								UNII AUREI	ement name
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at total depth			1	14. PERM	IT NO.	DAT	E ISSUED		COUNTY OF	
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6/15/74 20. TOTAL DEPTH, MD	11/10/	74 LUG, BACK T.	D 340 0 200	3/15/7	5 F MULTIPLE CO	<u> </u>	GR 6957			
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24. PRODUCING INTE	RVAL(S), OF TH			OTTOM, NA	ME (MD AND T	VD)*	<u> </u>	<u>→  </u>		25. WAS DIRECTIONAL
							41			SURVEY MADE
6. TIPE ELECTRIC	AND OTHER LOGI	PIN				·				
									2	7. WAS WELL CORED
8.			CASING	RECORD	(Report all st	rings set	in well)	<del></del>		
CASING SIZE	WEIGHT, LE	./FT. D	EPTH SET	(MD)	HOLE SIZE		CEM	ENTING RECOR	ıD	AMOUNT PULLED
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9.		LINER R					30.	TUBII	G RECOR	D
SIZE	TOP (MD)	BOTTOM	(MD) SA	CRS CEME	CREEN	(MD)	SIZE	DEPTH	SET (MD)	PACKER SET (MD)
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ow. Tosing France.	CASING PRESSU	24-RC	UR RATE	OIL-BBL.	GA 	8— M C ₽.		VATER-BBL.	OI	L GRAVITY-API (CORR.)
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SIGNED	-11.	nne		TITLE	<u> </u>	OLOGI:	ST		DATE JA	N. 25/84
	*(Se	e Instructi	ons and	Spaces fo	or Addition	I Data	on Reven	e Side)	<del></del>	

### CHRONOLOGICAL REPORT OF WORKOVER PROGRAM ON THE WILKINS 1-24A5 WELL

- Aug. 15-18/83 Fished tubing hanger, 208 stands 2 7/8" tubing, pump cavity and packer out of hole.
- Aug. 19-22/83 Swabbed well down. Production coming from Wasatch with packer set at 13,035'. Production minimal.
- Aug. 23/83 Run OWP CBL 13,300' to 10,000'. Perforate as follows:

12970 - 12976 (6') 12804 - 12814 (10') 12790 - 12796 (6') 12696 - 12686 (10') 12498 - 12502 (4') 12350 - 12358 (8')

Total of 44' at 2 spf, 88 holes with 4" casing guns. Breakdown perfs. at 2400 to 1600 psi at 2 BPM with rig pump.

- Aug. 24-25/83 Swabbed well down to 10,000'. Acidize with Halliburton, 3,000 gallons  $12\frac{1}{2}\%$  HCl Ave. displacement 4.1 BPM at 2200#. Swabbed back acid and flush.
- Aug. 26-30/83 Cleaned well up with swab. Run 2 7/8" tubing, pump cavity, set packer at 12036 ft. Put well on pump. Release rig Aug. 30/83.
- Sep. 1-13/83 Attempted to pump well. Would not pump. Swabbed well, recovered water, some oil. Suspect hole in casing.
- Sep. 14-23/83 MIRU Service rig. Pressure test casing to 1000 psi bled off rapidly. Hole between 8000 9000' in casing. Ran 2 3/8" side string with packer set at 12050'. Release rig. Put well on pump.
- Sep. 24-30/83 Cannot precover oil or pump well properly. Expect packer leak.
- Oct. 1-7/83 MIRU Service rig. Pull tubing. Set bridge plug at 13,101'. Ran new packer, tubing, sidestring in hole. Set packer at 12,068'. Swabbed well to clean up. Place well on pump.
- Oct. 7-Nov. 7 Pumped well intermittently. Made approximately 720 B.O.
- Nov. 8-13/83 MIRU Swab rig. Swabbed down to 10,000', well making less that 2 bbls/hr. Flushed perfs with 485 gals. acetic acid mixed with 441 bbls. formation water at 5 BPM, 1700# pressure. Swabbed well to 10,000'. Place well on pump.
- Nov. 14-16/83 Well would not produce on pump.
  - Nov. 17-Dec. 9 Well Shut in.

Dec. 10/83 Perforate with OWP as follows:

12321 - 25 (4') 12387 - 91 (4') 12520 - 24 (4') 12542 - 48 (6') 12595 - 601(6') 12637 - 43 (6')

Total 30' at 2 spf. with 2" tubing guns. All shots correlate with Mapco FDL-CNL, Sept. 1974.

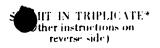
Dec. 11-12/83 Swab well down, rec. 30 bbls. oil.

Dec. 13/83 Acidize with Nowsco, 6500 gals.  $7\frac{1}{2}\%$  HCl, 200 ball sealers, flush with 43 bbls. fm. water. Ave. rate 4.3 bpm, 1900 psi.

Dec. 14-20/83 Swabbed back well. Established rate of 2-3 bbls of oil per day inflow. Not considered economic. Plan for rework up hole after New Year. Shut well in.

Dec 21-Jan 25/84 Well shut in, W.O. workover program.

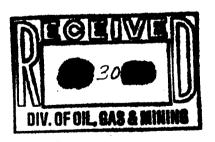
# DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL GAS AND MINING



	DIVIS	5. LEASE DESIGNATION AND SERIAL NO API #43-013-30320			
	SUNDRY NOT (Do not use this form for propo Use "APPLIC	TICES AND REPORTS sals to drill or to deepen or plug ATION FOR PERMIT—" for such	ON WELLS back to a different reservoir. proposals.)	6. IF INDIAN, ALLOT	TES OR TRIBE NAME
ī.	OIL GAS OTHER		www.company.com	7. UNIT AGREEMENT	NAMB
2.	AFE MANAGEMENT LIMITED			8.) FARM OR LEASE : WILKINS	(AMB
3.	ADDRESS OF OFFRATOR SUITE 208, 372 BAY STRE	ET, TORONTO, ONTARIO	CANADA M5H 2W9	9. WELL NO. WILKINS	L-24
4.	LOCATION OF WELL (Report location of See also space 17 below.) At surface	clearly and in accordance with any	y State requirements.*	10. FIELD AND FOOL,	OR WILDCAT
	920'FNL, 1580'FEL being Sec. 24 T1S R5W	the NW4NE4		Sec. 24, Rge. 5W U	Twsp. !s
14.	PERMIT NO.	GR 6957	F, RT, GR, etc.)	DUCHESNE	UTAH
16.	Check As	ppropriate Box To Indicate 1	Nature of Notice, Report, or	•	
	NOTICE OF INTEN	UENT REPORT OF:			
	TEST WATER SHUT-OFF	VATER SHUT-OFF PULL OR ALTER CASING WATER SHUT-OFF			
	FRACTURE TREAT	MULTIPLE COMPLETE	PRACTURE TERATMENT	ALTERING	CASING
		ABANDON®	(Other) Status	ABANDONM	ENT*
	(Other)	s of multiple completion on Well eletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

Well is presently shut in. Propose running suite of logs with Dresser Atlas to determine further zones to perforate and complete. Program to commence during Feburary 1984.

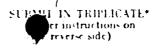


18. I hereby certify that the foregoing is true and correspond to the signed		GEOLOGIST	DATE	JAN. 24/84
(This space for Federal or State office use)				
APPROVED BY CUMBILL 'S OF APPROVAL, IF ANY:	TITLE _		DATE	

Form 9–331 Dec. 1973	Form Approved. Budget Bureau No. 42-R1424
DEPARTMENT OF THE INTERIOR	5. LEASE
GEOLOGICAL SURVEY	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
SUNDRY NOTICES AND REPORTS ON WELLS	7. UNIT AGREEMENT NAME
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9–331–C for such proposals.)	8. FARM OR LEASE NAME Wilkins
1. oil gas well other	9. WELL NO. 1-24
2. NAME OF OPERATOR  AFE Management Inc.  3. ADDRESS OF OPERATOR	10. FIELD OR WILDCAT NAME Altamont
372 Bay Street, Suite 208, Toronto, Ontario  4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See Space 17 below.)	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 24, T1S, R5W
AT SURFACE: 920' FNL, 1580' FEL, Section 24 AT TOP PROD. INTERVAL:	12. COUNTY OR PARISH 13. STATE Duchesne Utah
AT TOTAL DEPTH:  16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE,	14. API NO.
REPORT, OR OTHER DATA	15. ELEVATIONS (SHOW DF, KDB, AND WD) 6957 GR
REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF  FRACTURE TREAT  SHOOT OR ACIDIZE  REPAIR WELL  PULL OR ALTER CASING  MULTIPLE COMPLETE  CHANGE ZONES  ABANDON*	(NOTE: Report results of multiple completion o zone change on Form 9–330.)
(other)	DIVISION OF
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly statincluding estimated date of starting any proposed work. If well is different and true vertical depths for all markers and zones pertined	e all pertinent details and sive her her dates irectionally driked, give substitute locations and it to this work.)*
The following intervals in the Green River form	ation will be perforated:
10,986' - 10,990' to 12,094' - 12,103'	
A total of 103' will be perforated with 2 shots	per foot.

		•				4 2 2	
Subsurface Safety Valve: Manu. and Typ	e			Şet	<b>@</b>		_ Ft.
18. I hereby certify that the foregoing is	true and correct				,	1+	
	TITLEGe	ologist	_ DATE _	3-7-84		· , , , , , , , , , , , , , , , , , , ,	
	(This space for Fed	eral or State office us	e)	-			
APPROVED BYCONDITIONS OF APPROVAL, IF ANY:	ȚITLE		DATE				
	*See Instruction	ons on Reverse Side				*	

# DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING



SUNDRY NOTICES AND REPORTS ON WELLS  (Do not use this form for proposals to define or proposals.)  ***LEAS OF OFFICE OF PRINTED SO PERMIT— for real proposals.  ***LEAS OF OFFICE OF STATES  ***LEAS OF OFFICE OF STATES  ATE Management Inc.  ***JUL BY AND THE AND STATES  ***JUL BY AN	DIVISION OF OIL, GA	5. LEARS DESIGNATION AND BESIEL NO.			
One Wall Wall Orders  Just of Orders  APE Management Inc.  APE Management Inc.  B. Farm of Orders  APE Management Inc.  B. Farm of Charles  372 Roy Street Suite 208 Toronto, Ontario, Canada MSH 209  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24  1-24				6. IF INDIAN, ALLOTTE	B OR TRIBE HAME
THE WATER REPORT FOR COMPLETE CONFICE THAT CASING CONFECT OR MATERIAL CONFICE THAT				7. UNIT AGREEMENT NA	MB
AFE Memagement Inc.  ADDITION OF THE MEMBERS OF CHARGE  372 BRUN STOREY. SLITE 208. Toronto. Ontario. Canada MSH 2M9  1.24  LECTION OF THE MEMBERS OF CHARGE  920' FNL, 1580' FEL, section 24  PRANTI NO.  PRANTI NO.  THE MEMBERS OF LAND OF THE MEMBERS OF THE MEMB	WELL LA OTHER			A. PARN OR LEASE MAI	<u> </u>
ADDRESS OF CHAINS  3.72. Ray Street Strite 208 Toronto, Ontario Canada MSH 249  1.24  1.24  1.24  1.550' FEL, section 24  2.500' FNL, 1580' FEL, section 24  2.600 FILE AND PROVIDE ON ALLEAND  FIRMIT PR.  7.143-013-30320  Check Appropriate Box To Indicate Notice of Notice, Report, or Other Data  Refricts of Personal String Conference on Authorities o					
DATE  10. FILLD AND FOOL, OR WILLEAST  11. SECRETOR SECURITY  12. SEC. 24, TIS, RSW  13. SUPERIOR OF LABORATION (Blow whether St. H. C., etc.)  14. SUPERIOR OF ANALYS.  15. SUPERIOR OF LABORATION (Blow whether St. H. C., etc.)  16. SUPERIOR OF LABORATION (Blow whether St. H. C., etc.)  17. SEC. 24, TIS, RSW  18. SUPERIOR OF COMPLETE BOX TO Indicate Notice of Notice, Report, or Other Date Section of Heattern Completion or Marketine Casiffe Melification of Heattern Completion or Recompletion on Well Completion or Recompletion or Second Section of Section 11, 11, 11, 11, 11, 11, 11, 11, 11, 11	ADDRESS OF OFFICE			9. WELL NO.	<del></del>
Altement  920' FNL, 1580' FEL, section 24  PRIMIT NO.  11. BLEVATIONS (SEASY WHICH AND SEC. 24, TIS, RSW)  PRIMIT NO.  12. COUNTY OR PARISE ILL.  13. COUNTY OR PARISE ILL.  14. AND THE PROPER OF THE PROPERTY OF THE PROPERT	372 Bay Street Suite 208, Toronto	. Ontario. Cana	ada M5H 2W9		
920' FNL, 1580' FEL, section 24    11. SECTION OF LEATH OF CAREA   12. SECTION 24   13. SECTION 24   13. SECTION 24   13. SECTION 24   13. SECTION 25   13. SEC	Bee also space 17 below.)	ance with any State rec	quirements.	1	
Sec. 24, TIS RSW  PRANT FO.  18. SILVATIONS (Show whether Dr. R., GR. eth.)  19. CODYT OR PARISH 18. STATE Duchesne  Check Appropriate Box To Indicate Noture of Notice, Report, or Other Data  ROTICS OF INTERTIOR TO:  THAT WATER SHOPOOF  POLL OR ALTER CARING  MULTIPLE CONFIETE ARRANDON'S  CHARGE FLARE  (Other)  PRACTURE TREATMENT  ARRANDON'S  CHARGE FLARE  (Other)  PROCESSOR OF CHARGE FLARE  (Other)  PROCESSOR OR COMPLETE OPPRATIONS (Citer) state all pertinent details, and pertinent dates, large results of multiple completion on Well  (Other)  PROCESSOR OF Predict of Completion of Multiple Completion on Well  (Other)  The intervals in the Green River Formation 10, 986' to 12, 103'  Were perforated using 4" casing guns, 2 shots per foot.  Well put back on production.  PATE 3-21-8/4  TITLE Agent for AFE Management  DATE  3-21-8/4  PATE  TITLE  DATE  TITLE  DATE		0/			
Check Appropriate Box To Indicate Notice of Notice, Report, or Other Data  Check Appropriate Box To Indicate Notice of Notice, Report, or Other Data  Source of interference to:  That water send-off Poll of alter casing MCLIFFIE COMPLETE SHOOT OR ACIDER TREATHER THE TREATHER TREATHE	920' FNL, 1580' FEL, se	ection 24		BURYET OR AREA	
Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data  Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data  ROTTER OF DETERMINE TO:  THET WATER ENUPORT  POLL OR ALTER CARING  MICLIFFIE COMPLETE  RHOOT OR ACIDIES  RHOOT OR ACIDIES  CHAPTER TRAINS  ADMINISTRATION OF TRAINS  ADMINISTRATION OF TRAINS  CHAPTER TRAINS  ADMINISTRATION OF TRAINS  ADMINISTRATIO				sec. 24, T1S	,R5W
Check Appropriate Box To Indicate Notice, Report, or Other Data  **SOTICE OF INTENTION TO:  **TEST WATER SEND-OFF**  **FOLL OR ALTER CASING**  **PACTURE TREATMENT**  **SURCE OF INTENTION TO:  **TEST WATER SEND-OFF**  **FOLL OR ALTER CASING**  **MELTIFIE COMPLETE  **SURCE OR ALTER CASING**  **SURCE OF INTENTION OR ACTIONIS**  **COMPLETE CASING**  **COMPLETE TREATMENT**  **APPROVED BY APPROVED OF INTENTION OF INTENTION OF ACTION OF AC	PERMIT NO. 15. BLEVATIONS (S	ibow whether DF, RT, GR, 6	ta.)		
THET WATER BRUT-OFF TRETT WATER BRUT-OFF TRACTURE TREAT  MCLITPLE CONFIETE ALARMONIC ALTERIAGE BROOT OR ACIDER BROOT OR ACIDER CHARGE PLANS  (Other)  DESCRIPT PROPORTION OF COMPLETE CHARGE PROCESSOR OF RECORDING Clearly sister all pertinent details, and give pertinent dated date of starting proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and soore p ment to this work.)*  The intervals in the Green River Formation 10,986' to 12,103' were perforated using 4" casing guns, 2 shots per foot.  Well-put-back on production.  DIVISION OF CU. GAS & MINING  The proposed work if the foregoing is true and correct and the foregoing is a foregoing in the foregoing is a foregoing in the foregoing in the foregoing is a foregoing in the foregoing in the foregoing is a foregoing in the	YI 43-013-30320	<u>-</u>		Duchesne	Utah
NOTICE OF INTERFICE TO:  THAT WATER SHOT-OFF  POLL OR ALTER CASING  MULTIPLE COMPLETE  ALARMON ALTERIAL SHOT-OFF  PLACTURE TREAT  MULTIPLE COMPLETE  ALARMON MULTIPLE COMPLETE  ALARMON ALTERIAL ALTERIAL ALTERIAL ALTERIAL ALTERIAL CASING  (Other)  COLOR ALTERIAL ALTERIAL ALTERIAL ALTERIAL ALTERIAL ALTERIAL CASING  (Other)  COLOR ALTERIAL ALTERIAL ALTERIAL ALTERIAL ALTERIAL ALTERIAL CASING  ALTERIAL WELL  (Other)  COLOR ALTERIAL ALTERIAL ALTERIAL ALTERIAL ALTERIAL CONTROL ALTERIAL ALTERIAL CASING  ALTERIAL WELL  (Other)  COLOR ALTERIAL ALTERIAL ALTERIAL ALTERIAL CONTROL ALTERIAL CASING  (Other)  COLOR ALTERIAL ALTERIAL ALTERIAL CASING  ALTERIAL WELL  (Other)  COLOR ALTERIAL ALTERIAL CASING  ALTERIAL ALTERIAL CASING  ALTERIAL CASIN	Check Appropriate Box To	o Indicate Nature c	of Notice, Report, or C	Other Data	
PRACTURE TREAT RINGO OR ACIDER REPAIR WELL COMPANY COM	•••	1			
PRACTURE TREAT  RHOOT OR ACIDIE  ANARDON*  CHARGE PLANS  CORPT  (Other)  DEACRIBLE PROPOSED OR CUMPLETED DEPERATIONS (Clearly state all perthenal details, and give pertinenal date, including estimated date of starting proposed work, if well is directionally drilled, give subsurface locations and measured and true vertical depths for all markets and sonce p next to this work.)*  The intervals in the Green River Formation 10,986' to 12,103' were perforated using 4" casing guns, 2 shots per foot.  Well-put-back on production.  DIVISION OF  CHARGE PLANS  DIVISION OF  CHARGE PLANS  DIVISION OF  CHARGE PLANS  DIVISION OF  CHARGE PLANS  TITLE Agent for AFE Management  DATE  3-21-84.	THE WATER SHIP-OFF PILL OF ALTER CASH	<b>*</b> c \ \	VATER BRUT-OFF	REPAIRING	WELL
County Report results of multiple completion on Well County Report and Log form.)  DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertanet dates, including estimated date of starting proposed which if well is directionally drilled give subsurface locations and measured and true vertical deplits for all markers and tones present to this work.)  The intervals in the Green River Formation 10,986' to 12,103' were perforated using 4" casing guns, 2 shots per foot.  Well- put back on production.  DIVISION OF C. GAS & MINING  I hereby certify that the foregoing is true and correct stored.  Title Agent for AFE Management DATE 3-21-84  (This space for Federal or State case)				7	
(Other)  (Nother)  (Nother	SHOOT OF ACIDIXE ABANDON®		HOOTING OR ACIDIZING	ABANDONNE	NI.
DIVISION OF  C''. GAS & MINING  Thereby certify that the foregoing is true and correct  BIGNED  Thereby certify that the foregoing is true and correct  Thereby certify that the foregoing is true and correct  Thereby certify that the foregoing is true and correct  Total agent for AFE Management  That is directionally is true and correct  Title Agent for AFE Management  That is directionally drilled. Title Agent for AFE Management  That is directionally drilled give subsurface locations and measured and true vertical depths for all markers and sonce power is a subsurface locations and measured and true vertical depths for all markers and sonce power is a subsurface locations and measured and true vertical depths for all markers and sonce power is a subsurface locations and measured and true vertical depths for all markers and sonce power is a subsurface locations and measured and true vertical depths for all markers and sonce power is a subsurface locations and measured and true vertical depths for all markers and sonce power is a subsurface locations and measured and true vertical depths for all markers and sonce power is a subsurface locations and measured and true vertical depths for all markers and sonce power is a subsurface locations and measured and true vertical depths for all markers and sonce power is a subsurface locations and measured and true vertical depths for all markers and sonce power is a subsurface locations and measured and true vertical depths for all markers and sonce power is a subsurface locations and measured and true vertical depths for all markers and sonce power is a subsurface locations and measured and true vertical depths for all markers and sonce power is a subsurface locations and measured and true vertical depths for all markers and sonce power is a subsurface locations and markers and give power is a subsurface locations and markers and sonce power is a subsurface locations and true vertical depths for all markers and sonce power is a subsurface locations and true vertical dept	REPAIR WELL CHANGE PLANS	(	Other)	of multiple completion	
The intervals in the Green River Formation 10,986' to 12,103' were perforated using 4" casing guns, 2 shots per foot.  Well-put-back on production.  DIVISION OF C'' GAS & MINING  Thereby certify that the foregoing is true and correct BIGNED  TITLE Agent for AFE Management  DATE  DATE  DATE			Completion or Recomp	letion Report and Log to	77E.)
I hereby certify that the foregoing is true and correct  BIGNED TITLE Agent for AFE Management  OATE  APPROVED BY DATE  DATE			, 2 snots per loc		er <del>e</del>
I hereby certify that the foregoing is true and correct  BIGNED TITLE Agent for AFE Management  OATE  APPROVED BY					
I hereby certify that the foregoing is true and correct  BIGNED TITLE Agent for AFE Management  OATE  APPROVED BY  TITLE  DATE  DATE		•	Marine Commence and the second of the second		٠.
I hereby certify that the foregoing is true and correct  BIGNED TITLE Agent for AFE Management  DATE  3-21-84  APPROVED BY DATE					. •
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I hereby certify that the foregoing is true and correct  BIGNED TITLE Agent for AFE Management  DATE  3-21-84  APPROVED BY	_		18.3 .0005		. L
I hereby certify that the foregoing is true and correct  BIGNED TITLE Agent for AFE Management  DATE  3-21-84  APPROVED BY DATE			A STATE OF THE STA		- 1
I hereby certify that the foregoing is true and correct  BIGNED TITLE Agent for AFE Management  OATE  APPROVED BY			nivision	V OF	
I hereby certify that the foregoing is true and correct  BIGNED TITLE Agent for AFE Management  OATE  APPROVED BY			S PAGE IN	MINING : -	
(This space for Federal or State office use)  Approved by		-	UIL, UNU G		# 17 #
(This space for Federal or State office use)  Approved by			- · · · · · · · · · · · · · · · · · · ·		
(This space for Federal or State office use)  Approved by	<u> </u>			- 독립교원회 (K) [1] [1]	-
(This space for Pederal or State office use)  Approved by			·	<del>-</del>	
(This space for Federal or State office use)  APPROVED BY	I hereby certify that the foregoing is true and correct	•			
(This space for Federal or State office use)  APPROVED BY	BIGNED alle		· · · · · · · · · · · · · · · · · · ·		
APPROVED BY TITLE DATE		TITLE Agent f	or AFE Managemen	### ### ### ##########################	ī-84
	(White space for Pales) or Conta all a seal	TITLE Agent f	or AFE Managemen	t	1-84
CONDITIONS OF ALLECTION AS AND .	(This space for Federal or State office use)	TITLE Agent f	or AFE Managemen	t Total Date 133-2	1-84
	APPROVED BY		or AFE Managemen	DATE	1-84

### AFE management limited

372 BAY STREET, SUITE 208. TORONTO, ONTARIO MSH 2W9 (416) 366-4257

April 18, 1984

State of Utah Natural Resources Oil, Gas & Mining 4241 State Office Building Salt Lake City, Utah 84114 U.S.A.

ATTENTION: CLAUDIA JONES, WELL RECORDS SPECIALIST

Gentlemen:

RE: WILKINS 1-24A5 Sec. 24, T1S R5W

Duchesne County, Utah API #43-013-30320

Enclosed please find a Recompletion Report and copies of logs for the above captioned well for your files.

Yours very truly,

J.L. Tindale, Geologist

JLT:des Enclosures cc: K. Allen

RECEIVED

DIVISION OF OIL GAS & MIMMG

## STATE OF TAH (See of the second seco

<b>SUBMIT</b>	IN	DUP	*ATE
(See o			
on	reve	rsc si	

	DIVISION C	F OIL,	GAS, A	ND MI	NING					1		-30320
WELL CO	MPLETIO	N OI	R RECC	MPL	ETION	REPOR	1A TS	ND LO	G*	6. IF INDIA	N, ALLO	TTEE OR TRIBE NAM!
1a. TYPE OF WE	LL:	WELL X	GAS		DET _	Other				7. UNIT AG	REEMEN	T NAME
L TYPE OF COM		nrrn										
WELL L	OVER L	EN [	PLUG BACK		EESVR.	Other				8. FARM OF WILKIN		NAME
2. NAME OF OPERA	ron AFE Manag	ement	limite	А	,	#A		•		9. WELL N		
						<del></del>	Party Roma			1 2/1		
	372 Bay S	t., S	uite 20	8, To	ronto,	Ontari	pt lev		世 1949	10. FIELD	AND POO	L, OR WILDCAT
4. LOCATION OF WE	LL (Report loc	ation cle	arly and in				equireme	nte)*		ALTAM		
	927'FNL	1580				}*	APR	26 19	8/1	11. SEC., T. OR ARE	., R., M., A	OH BLOCK AND BURYEY
At top prod. in	terval reported	below	NMPNEP							Sec	24.	T1S R5W USM
At total depth		•				<i>*</i>	DIVIS	ION OF	OH	000.	_ ,	, 10 NOW 001:
					PERMIT NO.	•	CARGI	WININES.	IG	12. COUNTY PARISH		13. STATE
5. DATE SPUDDED	16. DATE T.D	BEACUE	m   17 mar	143	-013-	303	<b>54</b>			DUCHES	1 10	UTAH
June 15/74	Nov. 10		1	. 15/		o proa.,	18. EL	•	of, RKB, R	T, GR, ETC.)*	10.	ELEV. CASINGILAD
0. TOTAL DEPTH, MD			K T.D., MD 4		22. IF MUL			23. INT		ROTARY TO	OLS	CABLE TOOLS
17,020'		,101'		<b>}</b>	ном м			DEL	LLED BY			_
4. PRODUCING INTE	IVAL(S), OF TH	IIS COMP	LETION-TO	P, BOTTO	M, NAME ()	MD AND TY	(D) •				25	SURVEY MADE
10,986-12,10			Format	ion				·				NO
6. TYPE ELECTRIC A			), NLL,	Frac	log						27. W	NO
8.		···	CAS	ING RE	CORD (Rep	ort all str	ings set	in well)			<u></u>	:
CASING SIZE	WEIGHT, L	B./FT.	DEPTH S	ET (MD)	но	LE SIZE		CEN	ENTING I	RECORD		AMOUNT PULLED
	_							·				·
	-					·						
							<b>-</b>					
9.		LINE	R RECORT	)				30.	т	UBING REC	CORD	
BIZE	TOP (MD)	BOTT	ом (мр)	SACKS	CEMENT*	SCREEN	(MD)	SIZE		EPTH SET (	MD)	PACKER SET (MD)
	<del> </del>	_		-	· .			<u> </u>				
1. PERFORATION REC	ORD (Interval,	size and	number)	1		82.		CID SHOT	ERACEI	JRE, CEMEN	TO SOLL	FEZE ETC
							INTERVA					(ATERIAL USED
See attach	had			٠		-						
See accaer	·							<i>i</i>				
•						1		<u> </u>		<del></del>		·
3.*					PROI	OUCTION	<del>.</del>		<u> </u>	<del> </del>		
ATE FIRST PRODUCT	ION PRO				gas lift, pr	mping-s		type of pun	1p)			(Producing or
Mar. 15/84			ulic -	Nati	onal je	t pump				**	ut-in)	producing
Mar. 15/84	HOURS TESTE	) -	one inc	. Tre	D'N. FOR T PERIOD	1,06		GASMO	r.	WATER—BB 114	L.	GAS-OIL BATIO
LOW, TUBING PRESS.	CASING PRESS		4-HOUE RAT		<del>ввг.</del> 223	GA	s— <u>мс</u> т. N.R.	.	WATER-	BBL.	OIL GI	31
4. DISPOSITION OF G. Used for	fuel - 6				ell					Ken A		· .
5. LIST OF ATTACES Chronolo	gical bre	ea kdow	n of co	mple	tion pro	ocedur	e					· ·
6. I hereby certify	that the foreg	oing and	attached i	nformat	ion is comp	lete and c	orrect a	s determine	d from a	ll available	records	
SIGNED J.L.	Tindate	in	Lal	^. 	ritle	Geolog	ist			DAŢ	ъ <u>А</u> ј	pril 18/84

Recompletion Report on the Wilkins 1-24A5 Well Sec. 24, T1S R5W, Duchesne County, Utah

Mar 3-4/84 MIRU Western Rig #12. Pull 2-7/8" & 2-3/8" tubing.

Mar 5-7 Log interval 11,000 to 12,300 with Dresser Altas: carbon/oxygen log, Spectralog, Fraclog, Neutron Lifetime Log.

Mar 8 Perforate with Oil Well Perforators: 4 runs with 4" casing guns:

12,094-12,103	9 feet	1	1,498-11,502	4	feet	
12,006-12,010	4		1,481-11,488	. 7		
11,979-11,982	3	1	1,394-11,401	7		
11,969-11,973	4	1	1,099-11,109	10		
11,892-11,900	8	1	1,056-11,066	10		
11,887-11,890	3	1	1,039-11,046	7		
11,818-11,822	4.	1	1,010-11,014	4		
11,808-11,811	3	. 1	0,998-11,002	4		
11,710-11,715	5	1	0,986-10,990	4		
11,584-11,587	3	Т	otal 103' @	2SPF	<b>=</b> 206	holes
	₹					

- Mar 9 Isolate zone 11,221 to 10,917 with plug and packer. Swabbed 70 bbls fluid, 20% oil. Move plug 11,863, packer 11,321. Swabbed 85 bbls, 30% oil.
- Mar 10 Flowed well back 2 hours, 27 bbls oil. Swabbed 18 bbls oil. Killed well. Move plug to 12,155, packer to 11,853. Swabbed 105 bbls, 50% oil.
- Mar 11 Flowed well back one hour, 6 bbls oil. Moved plug to 11,221, packer to 10,900. Swabbed 100 bbls fluid, 60% oil.
- Mar 12,13 Well flowed at 6 bbls/hr. Kill well. POOH. RIH with packer, dual string pump cavity, 2-7/8" tubing, set packer @ 10,898'. Run 2-3/8" side string. Circulate hole with triplex.
- Mar 14,15 Release Western Rig #12. Drop bottom hole jet pump. Produced 276 bbls fluid in 18 hrs, 162 oil, 114 water.
  Well on production 2:00 pm March 15, 1984.
- Mar 16-19 4 days pumping made 899 bbls oil average 225 bbls/day. No water.

A.F.E. MANAGEMENT----WILLKENS 1-24 CHES DCC2591 ALTAMONT----24-18-5W----DUCHESNE COUNTY, UTAH

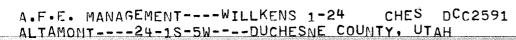
DEPTH	COMP CN	POROSITY	WATER-NLL	ATIONS WATER-C/O	VOLUME	SILICON	CARBON OXYGEN
	%	%	<u>%</u>	26	<u></u> %	RATIO	RATIO
11000	11.1	6•1	0,0	64.5	25.9	1.02	1.52
11001	9.0	4.3	0.0	61.8	27.2	1.02	1.52
11002	7.1	3.4	100.0	68.2	24.5	1.03	1.50
11003	12.6	4.8	100.0	70.3	33.3	1.04	1.50
11004	15.2	8 • 8	100.0	53.8	19.0	1.02	1.53
11005	15.7	10.2	71.2	55.8	19.4	1.04	1.52
11006	13.6	<u>6.5</u>	100.0	79.9	<u>34.8</u>	1.03	1.50
11007	12.6	5.2	100.0	75.4	37.5 47.9	1.03 1.04	1.51 1.50
11008	17.7	3.1	100.0 74.7	92.6 52.5	21.4	1.05	1.52
11009	19.0 20.5	12.9 14.2	30.1	76.0	17.8	1.05	1.49
11010 11011	14.7	9.3	16.5	84.1	19.1	1.04	1.49
11012	9.6	4 • 0	0.0	71.8	26.3	1.01	1.52
11013	6.4	1.8	0.0	100.0	29.1	1.02	1.49
11014	5.2	2.4	100.0	100.0	32.3	1.05	1.48
11015	9.6	6.7	100.0	64.0	20.1	1.03	1.51
11016	13.0	8.2	100.0	61.8	25.2	1.04	1.51
and the second s							
11019	15.3	10.1	98.4	64.4	23.5	1.05	1.51
11020	13.8	8.9	100.0	5 ₅ ,2	18.4	1.04	1.52
11021	14.6	8 • 2	57.2	50,3	22.7	1.04	1.52
11024	8 • 8	2.2	100.0	100.0	39.7	1.04	1.52
11025	13.1	6.5	52.1	50.2	22.9	1.05	1.51
11026	9,4	5.4	28.6	52.9	14.6	1.07	1.48
11027	7.4	4.8	0.0	49.9	12.5	1.06	1.48
11028	5 • 8	3.8	0.0	0.0	13.7	1.04	1.53
11029	5.2	1.6	0.0	100.0	26.4	1.04	1.53
11030	5.6	2.9	100.0	100.0	28.7	1.05	1.52
11031	8.9	3.6	100.0	43.8	32.3	1.02	1.54
11032	15.2	8 • 3	99.8	49.8	25.1	1.02	1.54
11033	18.0	12.7	88.2	66.2	11.2	1.00 1.01	1.54
11034	17.5	10.4	79.8	57,0	22.9	1.04	1.54
11035	16.4	8•6 9•2	100.0 100.0	45.8 52.0	28.9 23.1	1.07	1.50
11036 11037	16.0 17.7	12.4	100.0	70.6	12.8	1.08	1.47
11037	18.9	13.3	30.0	75.3	8.3	1.06	1.48
11039	17.2	12.2	0.0	82.5	14.3	1.05	1.48
11000	7.2	6.2	38.1	62.9	16.6	1.05	1.49
11041	5.5	6.9	60.5	30.8	7.5	1.04	1.51
11002	5.1	6.3	55.3	0.0	3.9	1.03	1.53
11003	3.9	4.6	42.7	ე.0	6.9	1.04	1.53
1.101.4	3.2	2•3	26.4	100.0	14.9	1.04	1,51
11045	3.8	1.1	0.0	100.0	18.0	1.02	1.55
11046	4.7	0.7	100.0	100.0	19.9	1.03	1.54
11047	6.1	4.0	100.0	31,6	20.0	1.02	1.53
11048	9.5	3.8	100.0	34.7	31.1	1.00	1.56
11049	12.7	5.3	100.0	10,7	29.0	1.03	1.57
11050	15.6	7.5	83.5	50.8	26.4	1.00	1.55

A.F.E. MANAGEMENT----WILLKENS 1-24 CHES DCc2591 ALTAMONT----24-1S-5W----DUCHESNE COUNTY, UTAH

and the second of the second o	COMP	POROSITY	SATURA	TIONS	SHALE	SILICON	CARBON	
DEPTH	CN		WATER-NLL			CALCIUM	OXYGEN	
	%%	%	%	-%	%	RATIO	RATIO	
11052	16.7	7 • 0	68.6	78.7	37.3	1.01	1.52	
11053	17.6	10.5	100.0	59.0	21.2	1.05	1.51	
11054	20.3	14.2	100.0	53.9	11.1	1.03	1.53	
11055	21.9	16.3	31.5	73.4	6.1	1.00	1.53	
11056_	14.8	13.4	21.0	53.1	1.8	1.01 1.01	1.54	
11057 11058	9.2 8.0	8•4 6•6	27.8 12.5	6.0 0.0	3.6 7.1	1.01	1.55 1.56	
11059	9.2	6.4	19.7	0.0	9.6	0.99	1.58	
11060	9.3	8.5	38.9	20.6	3.5	0.99	1.56	
11061	8.6	7.9	14.0	26.1	5.9	0.99	1.56	
11062	7.3	6.0	10.2	0.0	12.1	1.01	1.56	
11063	8.4	5 • 8	0.0	45.8	18.3	1.03	1.52	
11064	6.5	6.4	36.8	32.1	11.9	1.04	1.52	
11065	5.5	5 • 1	70.6	41.7	12.5	1.02	1.52	
11066	5.4	<u>2.1</u>	100.0	100.0	26.3	1.03	1.53	
11067	9.8	3.4	100.0	17.1	26.3	1.02	1.55	
11068	12.3	5.1	100.0	31.5	22.3	1.01	1.55	
11069	15.3 19.7	8.8 12.5	100.0 100.0	28.6 65.2	17.7 13.7	1.04	1.54 1.50	
11070 11071	24.0	13.4	55.9	73.3	28.2	1.03	1.52	
11072	19.6	10.0	26.9	66.1	36.5	1.03	1.53	
11073	17.0	9.6	80.6	78.1	27.8	1.03	1.50	
11074	16.3	11.2	36.8	67.9	23.3	1.02	1.53	
11075	14.7	9.1	5.5	64.3	20.3	1.02	1.52	***
11076	6.3	3.3	54.8	31.1	22.1	1.01	1.55	
11077	3.0	2.5	100.0	100.0	11.9	1.02	1.54	
11078	10.4	6.3	76.5	39.7	14.3	1.01	1.54	
11079	8•7	2.6	100.0	100.0	28.5	1.00	1.53	
11080	7.3	<u>0 • 0</u>	100.0	100.0	45.7	0.99	1.55	
11081	9.9	1.4	100.0 100.0	100.0 100.0	36.7 21.6	1.03 0.99	1.51 1.50	
11082 11083		8.9 10.7	100.0	90.1	20.2	0.97	1.54	
11083		14.7	95.6	77.3		0.95	1.57	
11085	23.8	17.3	49.1	100.0	6.7	0.94	1.54	Community of the Commun
11086	20.2	16.6	28.2	100.0	8.8	0.94	1.53	
11087	17.8	12.2	43.1	100.0	18.4	0.96	1.53	
11088	12.0	4.6	100.0	100.0	30.9	0.97	1.51	
11089	15.0	2.1	100.0	100.0	46.4	1.01	1.47	
11090	23.0	11.5	100.0	100.0	26.5	1.02	1.46	
11091	26.2	11.2	97.8	82.1	28.8	1.02	1.51	
11092		14.3	49.5	58.6	24.5	1.03	1.54	
11093		10.5	85.4 100.0	61.4 71.7	32.0 20.0	1.03 1.02	1.53 1.52	
11094 11095	20.2	9•8 12•6	64.6	69.6	22.7	1.00	1.54	
11095		12.2	67.2	52.0	22.6	1.00	1.56	
	16.0	10.9	100.0	19.3	12.3	0.98	1.60	
11098		12.4	61.1	25.4	11.3	0.96	1.61	
	16.1	9.3	18.1	38.9	22.2	0.98	1.58	
11099	LOOL							
11099 11100		9•8	67.9	14.3	3.2	0.98 0.98	1.58	

3

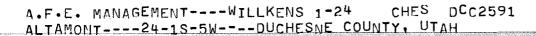




EPTH	COMP CN	POROSITY		TIONS WATER-C/O	SHALE	SILICON	CARBON OXYGEN
	<u> </u>	%	% %	% %	<u> </u>	RATIO	RATIO
11102	13.1		21.4	21,3	0.6	0.97	1.57
11103	11.7	9.7	22.2	23.0	1.4	0.95	1.59
11104	9.6		14.7 26.4	42.1 0.0	6.3	0.95 0.97	1.58 1.59
11105 11106	7.8 7.0	6 • 3 4 • 8	49.1	0.0	3.9 4.0	0.98	1.57
11107	7.7	5.5	22.6	63.2	9.2	0.99	1.53
11118	8.7	5.4	89.1	28.6			1.55
11109	7.8	4.8	100.0	29.1	11.2	0.98	1.56
11110	6.9		100.0	16,9	15.4		1.58
11111	8.5	5•2	100.0	23.8	14.3	0.98	1.56
11112	12.3	5.9	100.0	53.6	18.3	0.98	1.55
11113	14.8	8.9	100.0 100.0	76.6 78.4	12.9 13.7	0.99 0.98	1.53
11114 11115	19.6 25.0	12.4 13.5	91.2	18. <del>4</del> 64.4	30.1	1.02	1.54 1.55
11116	30.0	18.5	93.0	69.6	24.2	1.03	1.53
11117	31.7	20.6	83.0	90.1	20.6	1.00	1.52
11118	27.7	9.4	100.0	90.9	40.4	0.99	1.55
11119	25.5	15.6	46.9	90.4	36.1	1.02	1.51
11120	20.3	_13.9	100.0	80.7	18.7	1.01	1.52
11121	18.9	<u>15.0</u>	100.0	85.6	_4.6	0.98	1.53
11122	23.1	15•1	57.5	89.7	25.6	0.98	1.53
11123	19•2 12•0	9.7 6.5	69.3 100.0	68,9 60,2	34.0 18.0	0.98 1.00	1.56 1.54
l1124 l1125	16.3	7•2	100.0	61.7	21.5		1.54
11126	19.8	9.4	100.0	69.5	28.0	0.99	1.55
11127	23.6	13.1	100.0	77.8		0.98	1.55
L1128	31.0	17.6	93.0	75.2		0.99	1.56
11129	30.7	19.5	86.3	64.6	25.3	1.02	1.55
11130	29.1	20.9	97.0	75.9	12.3	1.03	1.52
11131	30.7	21.0	75.7	83.4	12.8	1.00	1.53
11132	23.3	15.8	79.0	79.8	17.1	1.00	1.53
l1133 l1134	19.3 20.5	13·2 4·8	100.0 100.0	85.9 89.7	18.1 40.7	0.98 1.02	1.53 1.53
L1135	24.8	10.6	100.0	71.6	35.7	1.03	1.52
l1136	28•7	17.4	100.0	93.1	38.0	0.99	1.52
l1138	29.4	16.9	100.0	97.4	32.6	1.00	1.51
l1139	28.1	15.7	100.0	96.3	35.1	0.99	1.52
1140	29.2	8.7	100.0	93.6	40.1	0.99	1.54
11141	28.1	14.5	100.0	77,1 94,3	39.5	1.01 1.00	1.54
L1142 L1143	30.2	17•1 19•3	100.0 100.0	79.7	35,3 16,3	1.01	1.51 1.53
1144	29.6 26.4	14.9	74.1	86.3	30.9	0.99	1.53
11145	17.5	8 • 8	100.0	98.5	24.1	0.98	1.52
1146	14.9	6.0	100.0	77.7	26.2	0.98	1.53
11147	13.0	7.6	100.0	80.8	19.0	0.98	1.54
11148	11.0	4.8	100.0	100.0	27.1	0.98	1.52
			100 D	07 7	70.0	0.90	1 67
1150	19.2	6.7	100.0	83.3	34.0	0.99	1.53
.1151	22.1	14.3	100.0	82.9	14.8	0.99	1.53

A.F.E. MANAGEMENT----WILLKENS 1-24 CHES DCc2591 ALTAMONT----24-1S-5W----DUCHESNE COUNTY, UTAH

DEPTH	COMP CN	POROSITY	SATURA WATER-NLL		SHALE VOLUME	SILICON CALCIUM	CARBON OXYGEN
	%	%	<u>%</u>	<u>%</u>	%	RATIO	RATIO
kalah da mananan sakan sa masa sa							
11152	19.8	4.8	100.0	96.8	40.8	1.00	1.52
11153	17.8	7•7	100.0	85.7	36.6	1.01	1.51
11154	19.2	11.3	100.0	58.7	17.7	0.99	1.56
11155	17.6	8 • 7	100.0	74.1	29.6	1.00	1.54
11156		10.9	100.0	69.7	19.1	1.01	1.53
11157	는 시간 경기 하다 아니라 가게 하는데 없는데	10.8	100.0	69.8	26.0	0.99	1.54
11158		10.7	100.0	82.2	24.6	0.99	1.53
11159		11.2	100.0 100.0	74.1 90.2	24.5 40.1	0.98 0.96	1.55 1.58
11160 11161	21.7	4 • 2 10 • 8	190.0	67.6	26.4	0.96	1.57
11162	24.6	15.3	100.0	90.0	18.9	0.98	1.53
11163		16.7	100.0	69.7	16.7	1.01	1.54
11164		18.3	95.6	52.8	11.6	1.01	1.56
11165	25.1	18.3	79.6	49.5	10.1	1.02	1.56
11166	23.9	16.3	61.9	65.1	21.5	1.01	1.54
11167		13.5	58.2	75.8	32.8	1.02	1.53
11168	23.4	6.8	100.0	85.1	42.1	1.02	1.55
11169	22.8	15.5	62.1	55.6	18.3	1.02	1.54
11170	20.7	12.2	53.6 70.3	73.8	30.3 30.0	1.03 1.04	1.52 1.50
11171	19.4	11.7 10.4	76.7	_7 <u>7.5</u> 61.9	29.5	1.05	1.51
11172 11173	17.5 13.7	6.1	95.2	51.4	33.3	1.06	1.51
11174		8.4	100.0	25.4	11.8	1.07	1.51
11175	9.2	8.7	80.2	29.5	6.8	1.07	1.49
11176	6.1	7.4	58.2	2.8	6.4	1.08	1.50
11177	ц.6	6.1	15.3	0.0	13.4	1.06	1.53
11178	3.5	3.4	0.0	17.9	22.7	1.03	1.54
11179	5.1	5.5	61.7	32,5	11.7	1.01	1.53
11180	8 • 1	5.3	100.0	17.8	6.8	1.02	1.53
11181	9.8	3.1	100.0	34.3	21.8	1.01	1.54
11182	14.5	6.5	62.1	53.4	23.8	1.02 1.04	1.53 1.52
11183		6.2	72.4 75.0	56.7 70.1	33.4 34.4	1.04	1.51
11184 11185	19.6 20.6	9.6 11.3	100.0	70.9	28.5	1.06	1.49
11185		6.3	100.0	91.8	41.9	1.04	1.50
A CONTRACTOR OF THE PROPERTY O	2000					•	
11188	23.8	11.5	100.0	76.8	38.3	1.02	1.52
11192	20.3	11.6	59.6	100.0	35.9	1.02	1,47
11193	20.1	12•6	34.1	89.4	29.3	1.02	1.50
11194	16.1	14.1	46.3	93.2	18.9	1.02	1.50
11195	_11.1_	12.3	47.5	96.0 <b>97.7</b>	13.8	1.03 1.05	1.48 1.46
11196	7.3	6.7	100.0	96.8	14.5 26.1	1.06	1.46
11197 11198	9•7 13•3	4•6 9•1	64.1	89.9	20.8	1.03	1.48
11198	9.1	3.6	100.0	62.4	20.8	1.03	1.51
11200	5.6	5.0	94.3	91.0	13.2	1.03	1.48
11201	3.3	3.7	100.0	90.1	15.9	1.05	1.47
11202	8.3	3.5	100.0	58.0	31.5	1.05	1.50
11203	9.5	5•1	100.0	21.0	15	1.03	1.53
					<b></b>		



	COMP	POROSITY	SATUR	ATIONS	SHALE	SILICON	CARBON
DEPTH	CN			WATER-C/O		CALCIUM	OXYGEN
	%	%	%%	%	%	RATIO	RATIO
	a de la constitución de la conferencia de la constitución de la conferencia del la conferencia de la conferencia del la co					<u></u>	and the second s
11204	7.0	3.8	100.0	32.6	12.9	1.03	1.51
11205	6.4	5.0	100.0	100.0	17.5	1.03	1.46
11206	8.9	4.3	100.0	97.5	28.1	1.03	1.47
11207	10.7	4.8	100.0	64.7	26.0	1.04	1,50
11208		9•0	77.6	63.5	12.7	1.04	1.50
11209	17.8	11.2	100.0	70.0	11.9	1.02	1,51
11210	16.0	7 • 3	100.0	68.0	31.3	1.00	1,54
11211	13.4	7.7	100.0	78.1	19.5	1.02	1.51
11212	10.4	9.1	74.1	100.0	7.3	1.02	1.47
11213	6•3	8 • 1	100.0	100.0	5.2	1.02	1.48
11214	9.6	6.5	100.0	70.6	9.5	1.00	1.52
11215	13.8	7.0	100.0	74.0	15.8	1.02	1.51
11216	16.4	7.2	100.0	73.3	21.3	1.01	1.52
11217	21.6	10.1	100.0	79.6	22.9	1.02	1.51
4	0F ^	10 0	100.0	83.2	35.1	1.03	1.50
11220	25.0	12.8	100.0	86.8	20.6	0.99	1.53
11221	26.3	16.8 14.5	100.0	90.9	26.9	1.01	1.50
11222	26.6	15.0	91.2	82.5	38.2	1.01	1.52
11223	27.5						Andrew Control of the
11225	27.9	15.1	71.3	64.7	38.8	1.03	1.55
11226	26.2	17.6	84.7	61.7	20.3	1.03	1.54
11227	24.8	17.1	82.9	91.8	19:7	0.99	1.52
11228	22.8	15.7	56.6	98.6	24.8	1.00	1.50
11229	21.6	15.6	82.2	100.0	22.5	1.00	1.50
11230	29.0	19.5	97.9	100.0	24.3	1.00	1.47
				*			
11232	32.8	7.9	100.0	92.4	46.9	1.01	1.49
11233	33.5	8.4	100.0	96.8	46.2	1.00	1,48
11234	33.5	19.9	87.7	100.0	37.5	1.00	1.44
11235	33.0	21.3	88.5	100.0	31.0	1.01	1.45
11236	31.9	8 • 8	100.0	97.4	44.6	1.01	1.46
140	00 7	17 ^	22 2	60 9	27.2	1.03	1.50
11239	28.3	17.8	22.3 25.7	60.9 <b>69.7</b>	27.2 14.0	1.00	1.50
11240	21.2	15.7 14.7	95.9	72.8	13.3	0.99	1.50
11241	22.0 31.0	19.5	90.3	80.5	34.1	1.00	1.50
11242	31.6	20.1	93.7	77.7	27.6	1.00	1.51
11244	30.4	21.4	81.8	75.9	22.5	0.98	1.52
11245	29.4	21.0	100.0	57.0	13.2	0.99	1.54
11246	29.2	18.1	87.9	63.2	30.2	1.03	1.51
11247	28.4	8 • 4	100.0	87.7	41.4	1.02	1.50
11248	26.9	15.3	100.0	72.9	34.6	1.00	1.51
11249	22.7	14.9	100.0	76.9	25.9	0.98	1.51
11250	26.2	13.6	88.4	69.9	36.2	0.99	1.52
11251	22.9	17.5	100.0	70,5	15.0	0.99	1.51
11252	21.3	14.9	100.0	64.8	22.1	0.99	1.52
11253	21.6	12.6	100.0	70.6	28.5	0.99	1.51
11254	24.8	15.0	78.4	65.2	31.7	1.01	1.51
11255	28.5	15.1	75.3	76,1	31.1	1.00	1.50

A.F.E. MANAGEMENT----WILLKENS 1-24 CHES DCc2591 ALTAMONT----24-18-5W----DUCHESNE COUNTY, UTAH

	COMP	POROSITY		TIONS	SHALE	SILICON	CARBON	
DEPTH	<u> </u>	^.		WATER-C/O		CALCIUM	OXYGEN	
	%	%	%	%		RATIO	RATIO	
11256	25•2	<b>15.</b> 0	100.0	85.4	25.5	1.01	1.47	
11257	23.6	14.7	100.0	88.9	17.1	1.01	1.46	
11258		13.9	83.7	92.1	24.1	0.99	1.48	
11259	30.8	18.3	67.9	80.3	34.0	1.01	1.49	
11260	31.6	17.6	80.0	77.1	38.1	1.01	1.50	
11261	32.1	21.5	97.0	79.0	18.4	1.00	1.50	
11262	32.1	19.0	89.3	83.5	38.1	1.01	1.49	
11263	32.0	21.1	100.0	73.3	18.4	1.00	1.51	
11264	31.1	10.5	100.0	93.0	40.8	1.00	1.49	
11265	28.1	17.9	100.0	80.9	33.4	0.98	1.51	
11266	21.9	15.6	100.0	85.1	21.2	0.99	1.49	
11267	12.7	2.8	100.0	100.0	43.5	1.00	1.48	
11268	7.2	3.0	100.0	100.0	34.5	1.01 1.03	1.47	
11269	9.1	6.6 10.1	76.7 54.0	72.9 90.4	12.9 8.1	1.03	1.45	
11270 11271	24.4	17.6	15.3	67.9	12.6	1.00	1.51	
11272	30.1	22.2	29.8	74.2	5.7	0.95	1.54	
11273	31.2	22.2	63.9	89.9	9,4	0.97	1.50	
11274	31.7	10.1	100.0	92.2	40.9	1.01	1.49	
11275	32.2	6.5	100.0	96.3	49.7	0.98	1.50	
11276	32.4	19.2	100.0	100.0	33.2	0.97	1.48	
							annum bende describeranci in describe della comità di describe di discribe di	
11278	32.4	21.4	100.0	93.1	20.1	1.00	1.48	
11279	32.1	21.0	100.0	97.6	20.9	0.99	1.47	
11280	31.5	20.8	97.8	100.0	19.2	0.98	1.47	
11281	28•7	17.4	100.0	92.7	27.9	0.99	1.48	
11282	24.3	12.4	100.0	60.6	29,1	0.98	1.53	
11283	23.1	13.6	81.7	32.6	16.5	0.99	1.56	
11284	16.3	11.6	100.0	21.8	14.3	0.99	1.55	
11285	10.5	6 • 1	100.0	36.0	34.0	1.03	1.51	
11286	6.8	2 • 8	100.0	100.0	21.2	1.01	1.50	
11287	9.5	4 • 1	100.0	9,7	17.7	1.03	1.50	
11288	<u> 16•7</u>	8.6	28.4 26.4	61.6	20.0 13.2	1.02 1.00	1,48 1,50	
11289	23.6	15.6	54.1	68.6 79.5	26.7	0.99	1.50	
11290 11291	23.4 21.5	14 • 4 5 • 3	100.0	91.6	46.2	0.99	1.51	
11291	19.7	15·1	79.1	68.7	17.9	1.01	1.50	
11293	29.0	21.3	46.4	80.9	11.6	1.00	1.49	
11293	30.1	21.4	67.7	93.1	14.8	0.99	1.48	
11295	31.0	9.1	100.0	100.0	43.3	0.99	1.46	
****	VANA T. V				<u> </u>		- 1 -	
11298	32.9	18.6	100.0	99.5	40.0	0.99	1.47	
11299	33.0	21.2	100.0	100.0	25.4	1.01	1.45	
11300	32.9	20.6	100.0	95.7	28.6	1.01	1.46	
11301	32.8	20.9	100.0	98.9	26.3	1.01	1.45	
11302	32.5	20•6	85.5	100.0	27.2	0.99	1.45	
11303	32.1	19•6	90.3	99.8	32.0	0.99	1.47	
		•	25 5	0.0	7.2.7	0.00		
11308	26.9	13.8	85.5	88.8	39.3	0.99	1.49	
11309	26.3	15.5	100.0	81.3	26.	1.00	1.49	

A.F.E. MANAGEMENT----WILLKENS 1-24 CHES DCc2591 ALTAMONT----24-1S-5W----DUCHESNE COUNTY, UTAH

	COMP	POR ^O SITY	SATURA	TTONS	SHALE	SILICON	CARBON	
DEPTH	CN	FUIVAZITI	WATER-NLL			CALCIUM	OXYGEN	
	%	%	%	%	%	RATIO	RATIO	
							and the second s	
11310	24.8	13.2	100.0	54.8	37.6	1.01	1.53	
11311	22.6	14.4	100.0	61.4	32.1	0.99	1.54	and the second second second
	<i></i>	•						
11313	29.6	6.4	100.0	91.5	48.9	1.02	1.49	
11314	26.4	16•1	100.0	80.9	37.2	1.03	1.47	
11315	28.9	19.8	51.6	80.3	22.4	1.02	1.48	
11316	31.2	20.0	37.6	88.5	27.8	0.99	1.49 1.48	
11317	31.4	22.3	77.3 100.0	100.0 100.0	14,6 17.9	0.97 0.97	1.47	
11318 11319	31.5 31.5	21•7 17•9	100.0	100.0	39.8	0.98	1.47	
113.9		1109	<u> </u>	200,	3 3 6 0	3.4.2.0		
11321	31.5	10.4	100.0	100.0	40.4	0.96	1.48	
11322	31.6	18.3	100.0	100.0	36.3	0.99	1.45	
11323	316	19.7	100.0	97.6	27.7	1.01	1.45	
11324	31.6	6.9	100.0	99.7	48.6	1.01	1.45	
11326	31.7	18.6	100.0	100.0	34.3	1.00	1.45	
			-					
11328	31.8	19.6	98.0	94.2	29.7	0.99	1.48	
11329	31.•8	20.3	100.0	98.8	25.8	1.02	1.45	
11330	31.8	20.3	100.0	100.0	26.5	1.01 1.00	1.44 1.47	
11331	31. 8	19•4 9•8	100.0 100.0	96.9 98.7	32.4 42.3	1.00	1.46	
11332 11333	31.8 31.8	20.5	100.0	100.0	26.0	1.00	1.45	
11334	31.8	18.1	100.0	100.0	40.0	0.97	1.45	
11335	31.8	18.7	100.0	100.0	36.4	0.98	1.44	***********
11336	31.8	18.9	100.0	100.0	34.9	0.99	1.45	
11337	31.9	18.5	100.0	95.9	37.6	1.01	1.46	
11338	3!.•9	19.6	100.0	100.0	30.2	1.01	1.45	
11339	31.9	19.4	100.0	100.0	31.1	1.01	1.45	
11340	31.9	18.2	100.0	95.5	38.6	1.01	1,46	
11341	31.9	18.7	100.0	98.9 93.8	36.8 36.8	0.99 1.01	1.47 1.47	
11342		18•4	100.0	99.9	34.4	1.00	1.46	-
11343 11344		18•7 8•0	100.0	99.9	45.8	0.99	1.47	
<u> </u>	01.00							
11348	31.5	18.0	100.0	100.0	37.7	0.99	1.46	
11351	30.7	7•2	100.0	100.0	46.8	0.98	1.45	
11757	24.6	<b>5•</b> 0	100.0	96.4	48.4	1.02	1.50	
11353	<u> </u>							
11359	14.9	5 • 4	41.5	75.0	36.2	1.00	1.53	
11360	15.3	9.5	68.7	77.0 96.9	21.2	0.98 0.99	1.54 1.51	
11361	24.6	12•0	69.7	76.7	38.2	<b>U</b> • 27	+ • 9 +	
11363	21.0	14.7	100.0	68.7	16.2	1.02	1.53	
11364	20.5	11.0	100.0	77.2	28,3	1.00	1.53	
11365	21.6	6 • 2	100.0	95.3	42.9	0.99	1.53	
11366	52.0	14.1	89.7	94,1	27.6	1.01	1.50	

A.F.E. MANAGEMENT----WILLKENS 1-24 CHES DCC2591 ALTAMONT----24-1S-5W----DUCHESNE COUNTY, UTAH

	COMP	POROSI <b>T</b> Y		ATIONS	SHALE	SILICON	CARBON
DEPTH	C <u>N</u>	%	WATER-NLL %	WATER-C/O		CALCIUM RATIO	OXYGEN RATIO
	%	70	70	<b>%</b>	%	RATIO	
11367	25•9	14.4	69.4	80.1	39.3	1.04	1,51
11368	30.5	8 • 1	100.0	92.7	44.4	1.05	1.50
11369	28.9	<u> 18.8</u>	70.6	85.5	20.4	1.02	1.51
11370	15.6	8 • 5 5 • 9	90.3 100.0	67.4 61.4	28.1 32.6	1.00 1.03	1.54 1.52
11371 11372	11.6 6.4	4.3	100.0	26.1	15.2	1.02	1.53
11373	2.9	3.3	100.0	3.6	5.6	1.02	1.51
11374	6.1	4 • 8	100.0	96.6	8.8	1.01	1.49
11375	12.3	8.3	76.5	100.0	9.8	1.02	1.46
11376	14.2	8.7	100.0	100.0	16.5	1.00	1.50
11377	22.5	13.4	100.0	69.3	15.1	1.01	1.53
11378	26.4	16.4	100.0	78.8	13.1	1.00	1.53
11379	25.7	18•2	89.5	79.8	15.7	0.99 1.01	1.54
11380	25•1 26•3	17•9 17•0	100.0 100.0	79.8 84.6	11.2 20.4	1.00	1.52 1.53
11381 11382	27.3	15.9	94.4	91.1	34.9	1.02	1.50
11383	18.9	13.6	76.3	78.2	28.1	1.02	1.52
11384	9.3	6.9	65.7	57.0	29.6	1.01	1.54
11385	6.4	4.3	25.2	66.5	25.9	1.03	1.50
11386	13.6_	9.2	9.8	53,9	9.5	1.03	1.52
11387	14.3	10.9	12.4	43.3	5.4 _	1.01	1.54
11388	16.6	12.8	10.9	26.2	8.0	0.98	1.59
11389	19.4	14.2	25.4 39.3	1.3 22.6	2.0	0.96 0.96	1.63 1.62
11390 11391	24.2 21.3	16•6 14•2	84.4	57.1	1.1 16.7	0.98	1.57
11392	20.0	13.4	78.5	65.5	37.3	1.00	1.56
11393	18.2	13.0	85.2	62.8	31.7	1.02	1.54
11394	15.2	12.9	83.3	38.9	13.4	1.01	1.56
11395	12.1	10.7	89.8	0.0	3.0	0.99	1.59
11396	13.8	9•8	85.9	21.4	6.5	0.98	1.58
11397		9,2	71.9	50.0	13.5	0.99	1.56
11398		10•9	70.0	25.6	14.0	1.00 1.00	1.58 1.59
11399 11400	12.0	9•2 9•4	50.5 67.6	21.1 0.0	23.0 10.1	0.99	1.59
11401		12 • 1	80.0	27.6	5.0	0.97	1.59
11402	21.6	14.1	95.0	73.7	12.8	0.97	1.55
11403	27.7	17.1	83.7	94.3	21.7	0.98	1.52
11404	29.3	18.2	83.7	100.0	29.1	0.99	1.50
11405		19.5	93.8	100.0	29,1	1.01	1.49
11406		20.3	86.9	93.5	27.1	1.02	1.49
11407		17.7	91.7	91,5	36.0		1.50
11408	27.7	8.8	100.0 81.7	92.3 68.2	42.0 33.5	1.03 1.01	1.52 1.55
11409 11410	26.3 21.1	16•4 13•5	66.7	66.3	34.8	1.01	1.55
11411	17.4	14.4	49.2	68.1	17.9	1.01	1.54
11412	27.1	20.7	57.2	68.6	9.7	0.98	1.56
11413		20.1	80.0	77.0	19.9	0.99	1.55
11414	30.6	8.5	100.0	95.0	44.6	1.02	1.51
11415		18.0	78.9	97.2	39.1	1.02	1.49
11416	31.•5	20.4	94.9	100.0	25	1.01	1.49

A.F.E. MANAGEMENT----WILLKENS 1-24 CHES DCC2591 ALTAMONT----24-18-5W----DUCHESNE COUNTY, UTAH

	COMP	POR ^O SITY	SATURA		SHALE	SILICON CALCIUM	CARBON OXYGEN	
DEPTH	<u> </u>	%	WATER-NLL %	WAIER-C/U	<u> </u>	RATIO	RATIO	
	<u>%</u>	70				KALIU		
		-						
11417	31.8	20.6	83.1	100.0	25.7	1.01	1.45	
11418	32.0	18.9	76.5	100.0	36.4	1.01	1.47	
11419	32.1	19.7	87.7	100.0	32.1	1.01	1.48	
11420		20.4	90.7	100.0	27.5	1.01	1.48	
11421		9.2	100.0	100.0	43.8	1.01	1.45	
11422		9.3	100.0 100.0	100.0 100.0	43.6 43.9	1.01 1.01	1.45 1.45	
11423		9•1 19•7	75.8	100.0	31.2	1.01	1.48	
11424 11425		20.3	77.4	100.0	28.1	1.00	1.48	
11426		20.2	77.2	100.0	28.4	1.02	1.47	
11427		20.7	78.6	100.0	25.3	1.01	1.45	
11428		10.5	100.0	100.0	40.9	1.01	1,47	
11429		21.3	92.3	91.5	21.7	1.02	1.50	
11430	32.5	21.9	90.9	82.9	17.3	0.99	1.54	
11431	32.4	22.4	62.8	89.7	13.6	0.98	1.54	
11432	20.7	12.5	33.5	90.7	36.3	0.99	1.53	
	- L -		89.3	100.0	33.7	1.01	1.47	
11434	24.5		100.0	100.0	24.8	1.01	1.46	
11435 11436	29.8 30.6	19.8	93.8	100.0	25.3	1.00	1.47	
11437		20.3	94.9	100.0	23.6	0.98	1.50	
11438		19.5	100.0	100.0	29.4	0.99	1.49	
11439	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	17.8	91.0	100.0	39.8	1.00	1.48	
			***		-			
11441	31.7	18.6	97.4	100.0	35.8	0.99	1.49	
11442	31.2	9•0	100.0	99.2	43.5	1.01	1.49	
			- 0 0	100 0	0- 1	1 00	1	
11444		17.8	88.9	100.0 100.0	23.1	1.00 1.02	1.49 1.47	
11445		20.6	93.4 62.7	88.0	9.4 7.5	1.02	1.50	
11446 11447	22.0 3.1	18•0 9•5	67.0	70.8	3.2	1.01	1.51	
11448	in a second seco	4.6	83.8	79.1	7.6	1.06	1.46	
11449		6.8	50.2	81.8	6.6	1.05	1.47	
11450	4.3	8.7	1.8	100.0	16.3	1.01	1.49	
11451	7.4	10.0	0.0	89.9	18.1	1.05	1.47	
11452	23.0	16.3	19.7	100.0	24.3	1.01	1.49	
11453		16.1	68.4	98.6	35.7	1.00	1.51	
11454	25.8	7.2	100.0	100.0	44.8	1.00	1.48	
		7 .	100 0	90.0	// E	1.05	1.47	
11456		7.6	100.0 100.0	98.0 <b>1</b> 00 <b>.0</b>	46.5 46.9	1.00	1,47	
11457 11458		7.6 19.7	80.4	100.0	32.2	1.00	1.47	
11459		18.8	82.7	100.0	37.6	0.99	1.47	
******		****			entre de la companya			
11465	26.4	5•9	100.0	99.1	48.7	1.01	1.50	
11466		17.3	76.6	100.0	38.0	1.01	1.49	
11467		8•3	100.0	100.0	45.4	0.99	1.48	
				1.0.	<b></b>	6.65		
11469		16.1	100.0	100.0	39.7	0.99	1.47	
11470	27.1	7.9	100.0	100.0	43.2	1.02	1.48	
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A.F.E. MANAGEMENT----WILLKENS 1-24 CHES DCC2591 ALTAMONT----24-18-5W----DUCHESNE COUNTY, UTAH

	~ ^ M D	DODOSTEY	CATUD	ATIONS	SHALE	SILICON	CARBON
DEPTH	COMP CN	POROSITY		WATER-C/O		CALCIUM	OXYGEN
	%	%	%	<u> </u>	%	RATIO	RATIO
		· · · · · · · · · · · · · · · · · · ·		70	/0		
11472	24.3	4.9	100.0	100.0	49.4	0.99	1.49
			0				
11479	22.8	5.7	100.0	98.3	46.9	1.03	1.48
11480	12.8	13.8	100.0	100.0	23.0	1.02	1.48
11481	7.6	2.7	100.0	100.0	28.5	1.01	1.48
11482	4.6	<u>2•8</u>	100.0 100.0	100.0 100.0	14.9	1.01 1.04	1.49 1.46
11483 11484	5•8 6•8	5•3 6•8	100.0	100.0	6.2 0.4	1.04	1.46
11485	5.1	5.5	84.2	68.3	3.2	1.03	1.49
11486	7.2	6.1	53.5	0.0	3.6	0.99	1.57
11487	14.8	10.2	23.0	29.8	5.0	0.97	1.58
11488	19.2	13.0	0.0	53.5	15.5	1.00	1.56
11489	20.6	13.8	0.0	77.8	24.8	1.00	1.53
11490	21.2	12.9	54.4	72.9	21.3	0.96	1.57
11491	21.3	12.9	84.4	74.0	24.3	0.98	1.55
11492	22.1	15.3	71.5	83.8	20.2	1.01	1.52
11493	26•7	17.6	71.5	79.6	15.8	0.99	1.54
11494	28.7	20.8	67.5	75.7	12.0	0.98	1.55
11495	30.9	20.6	60.0	85.4	21.5	1.00	1.53
11496 11497	28.8	17.7 15.3	55.1 100.0	82.8 64.9	35.1 13.1	1.02	1.52 1.53
11498	17•2 12•7	10.6	100.0	52.8	8.0	1.00	1.54
11498	10.2	5.6	100.0	45.3	19.3	1.02	1.53
11500	9.1	7.4	100.0	0.0	4.9	1.01	1.56
11501	9.0	8.4	85.7	10.7	6.2	0.99	1.57
11502	14.7	9.8	81.7	49.5	7.5	0.98	1.55
11503	19.6	7.3	0.0	62,5	36.9	0.99	1.56
11504	28.7	6.3	100.0	91.3	48.8	0.98	1.56
11505	31.8	21.0	55.8	92.8	29.4	0.99	1.52
11506		21.4	70.1	95.9	25.9	0.97	1.53
11507	29.9	19.4	80.1	79.6	31.9	0.98	1.55
11508		8.0	100.0	88.4	46.0	1.04	1.53
11509		21.7 22.8	63.7 80.9	70.0 62.8	24.2 9.3	1.03 1.03	1.54 1.54
11510 11511	28.6	21.5	65.4	66.8	13.0	1.02	1.54
11512	32.4	22.6	27.9	55.1	19.2	1.02	1.57
11513		20.6	28.9	81.3	32.8	1.00	1.54
11514		19.3	64.4	100.0	38.6	1.01	1.49
11515	33.0	19.7	74.2	88.6	37,5	1.01	1.52
11517	32.•7	10.3	100.0	97.8	41.9	1.02	1.49
11518	32.3	21.8	89.8	99.8	23.0	1.00	1.50
11519	31.6	21.2	81.8	96,9	22,3	1.00	1.50
11520	28•8	19.3	87.9	80.2	22.4	1.02	1.52
11521	18.8	13.3	100.0	50.1	14.7	1.00	1.56
11522		10.1	53.8	60.1	37.5	0.98	1.58
11523	27.3	17.9	25.3	75.6	29.7	0.96	1.57
11524		19.9	43.5	78.4	30.4	0.99 1.03	1.55 1.52
11525	31.7	6.8	100.0	92.4	49	T • A Q	±•5∠

A.F.E. MANAGEMENT----WILLKENS 1-24 CHES DCc2591 ALTAMONT----24-18-5W----DUCHESNE COUNTY, UTAH

DEDTIL	COMP	POROSITY		ATIONS WATER-C/O	SHALE	SILICON CALCIUM	CARBON OXYGEN
DEPTH		%	<u> </u>	WA'CH-C/U	VULUFIE %	RATIO	RATIO
11526		18.9	82.9	99.5	38.9	1.01	1.49
11527		20.3	85.4	100.0	33.2	1.01	1,49
11528	32•6	7.9	100.0	97.8	46.9	1.00	1.51
11530	31.9	18.9	93.5	100.0	38.0	1.00	1.50
11532	30.7	21.3	100.0	100,0	18.7	0.99	1.50
11533	28.6	8.7	100.0	99.1	42.3	0.99	1,51
11536	17.6	12.0	100.0	56.2	26.6	1.04	1.53
11537	16.4	12.3	88.1	75.8	26.5	1.05	1.49
11538	26.2	16•9	28.1	78.1	34.0	1.04	1.51
11539	20.7	15.7	54.1	94.0	29.0	1.02	1.50
11540	1.8 • 5	17.1	100.0	81.5	14.9	1.02	1.51
11541	11.7	13.3	100.0	84.6	16.6	1.01	1.51
11542	2.2	1.8	100.0	100.0	29.3	1.02	1.50
11543	5.8	2.6	46.7	100.0	19.3	1.02	1.54
11544	13.7	6.8	0,0	62,5	27.3	1.01	1.53
44		17.0	46.7	82.7	36.5	1.00	1 = 7
11547	29.0	17.9	# <b>D</b> +	-02-1	26.0	1.00	1.53
11550	32.6	7.4	7 \ 100.0 \	799.1	48.0	1.01	1.50
*T220	37.•5	<i>P</i> • ₩	100.0	27.4	70.V		1.30
11556	29.5	18.4	80.5	100.0	34.2	1.01	1.47
11557	30.6	18.2	85.9	100.0	38.8	1.03	1.48
41011	<u> </u>	10.5	00.		00.0		
11561	23.5	4.5	100.0	100.0	47.4	1.01	1.48
							C.S
11565	21.7	14.7	95.8	91.4	27.7	1.02	1.50
11566	31.3	20.3	60.7	86.5	25.5	1.01	1.52
11568	32.7	18.9	81.1	100.0	38.9	0.99	1.50
11569	32.8	7.6	100.0	100.0	47.6	0.98	1.49
11570	32.9	10.3	100.0	100,0	42.0	0.99	1.49
11571	33.0	20.0	85.7	100.0	33.5	0.99	1.48
11572	32.8	19.2	78.5	100.0	37.6	1.01	1.48
11573	32.6	11.1	100.0	100.0	40.3	0.99	1.48
11578	22.7	14.5	95.4	93.8	33.1	1.00	1.51
11578	32.4	20.2	67.6	80.7	29.0	1.02	1.52
11580	28.4	18.9	86.7	92.4	24.0	1.01	1.51
11581	30.0	6.9	100.0	95.5	47.9	1.00	1.53
	<b>Y</b> : , <b>T</b>	= 3.4	= 3 - <b>3</b> -		1, 4, 5		
11583	31.•3	18.9	71.7	79.9	31.1	1.00	1.54
11584	14.2	13.3	100.0	24.6	8.3	1.00	1.58
11585	9.4	8.7	100.0	0.0	7.6	0.99	1.60
11586	8.6	8.1	62.9	22.1	7.3	0.98	1.57
11587	17.5	12.9	41.6	62.3	6.4	0.99	1.55
11588	18.7	13.4	65.4	69.1	14.4	0.96	1.57

A.F.E. MANAGEMENT----WILLKENS 1-24 CHES DCC2591 ALTAMONT----24-18-5W----DUCHESNE COUNTY, UTAH

	COMP	POR ^O SITY		ATIONS	SHALE		CARBON
DEPTH	<u> </u>		emanuser	WATER-C/O		CALCIUM	OXYGEN
	%%	%	%	%	%	RATIO	RATIO
11590	24.4	15.8	76.6	62.5	18.2	0.99	1.56
11591	24.6	16.1	85.2	64.6	17,9	1.01	1.54
11592	25.4	16.8	85.1	76,2	17.4	1.00	1.54
11593	28.5	16.5	64.4	86.8	31.8	1.00	1.52
11594	28.3	15.3	65.3	86.7	38.4	1.00	1,53
11595	27.2	18.0	83.1	86.3	20.5	1.01 1.02	1.51 1.54
11596 11597	26.0 26.9	16.3 18.8	82.8 66.7	66.3 60.8	27.0 17.0	1.01	1.56
11598	19.7	15.5	100.0	53.2	8.6	1.00	1.56
11599	19.8	10.2	100.0	55.2	31.3	1.02	1.55
11600	19.0	9.8	100.0	86.0	34.5	1.01	1.51
11601	25.7	12.7	99.5	87.6	39.9	1.01	1.52
116N2	30.6	20.1	84.8	76.8	16.2	1.02	1.53
11603	28•2	20.3	76.0	73.5	10.8	1.02	1.53
11604	29.4	9.0	100.0	89.6	41.8	1.02	1.53
11605	30.7	18.8	72.6	73,1	28.9	1.01	1.54
11608	31.7	18.7	72.2	93.6	32.5	1.01	1.51
11609	31.6	20.6	68.7	80.5	20.1	1.01	1.53
1161.0	23.7	15.3	49.2	68.3	26.2	1.02	1.54
11611	19.5	6.4	100.0	87.5	40.0	1.01	1.55
11612	12.6	7.8	100.0	48.1	32.9	1.02	1.55
11613	7•6	8.5	92.6	4.9	6.0	1.04	1.54
11614	S•0	5•9	76.4	0.0	1.7	1.03	1.54
11615	1, • 1	4.8	64.6	0.0	0.5	1.03	1.54
11616	1.1	3.5	31.4	0.0	10.8	1.00	1.56 1.55
11617	2•7 5•8	1.5 4.7	80.1 86.3	100.0 69.7	29.4 27.1	1.00 1.03	1.51
11618 11619	11.3	10.5	75.1	81.0	20.1	1.00	1.52
11620	13.5	5.4	100.0	92.9	41.9	1.00	1.53
11621	31.1	18.2	97.5	89.0	39.8	1.01	1.51
11622	32.1	19•9	95.3	88.6	33.9	1.01	1.52
11624	32.3	20.5	88.5	97.3	32.3	1.01	1.50
11625	32.3	20.5	91.2	100.0	32.0	1.02	1.47
11626	32.2	21.1	100.0	100.0	28.2	1.00	1.48
11627	32.3	19•1	84.5	100.0	38.5	0.99	1.50
11628	32.2	22.2	87.3	100.0	21.6	1.00	1.49
11629	32.1	21.0	83.7	100.0	28.6	0.99	1.49
11630	32.1	19.4	89.2 93.9	100.0 97.9	36.5 17.9	0.98 1.01	1.49 1.50
11631 11632	31.8 31.2	22.4 22.3	98.5	91.7	16.5	1.01	1.51
11633	30.6	19.9	72.8	93.4	28.2	1.00	1.51
11635	23.6	17.9	54.2	72,1	16.1	1.03	1.52
11636	12.6	13.1	51.3	67.8	11.0	1.03	1.51
11637	6•2	8.9	72.4	90.7	13.5	1.02	1.49
11638	9.0	3.9	100.0	75.0	21.3	1.00	1.52
11639		8.9	100.0	59,9	17.5	1.03	1.52
11640	116	3.7	100.0	93.7	41	1.04	1.50

A.F.E. MANAGEMENT----WILLKENS 1-24 CHES DCC2591 ALTAMONT----24-18-5W----DUCHESNE COUNTY, UTAH

	COMP	POR ^O SITY	SATURA		SHALE		CARBON
DEPTH_	<u>c</u> N		WATER-NLL	WATER-C/O		CALCIUM	OXYGEN
	%	%	%	%	%%	RATIO	RATIO
11641	8•2	3.8	76.1	88.0	38.3	1.03	1.49
11642	8•6	6 • 5	100.0	86.8	13.7	1.03	1.49
11643	h∙6	2•3	0.0	100.0	36.3	0.99	1.52
11645	10.6	2.5	100.0	100.0	35.8	1.02	1.51
11646	10.7	3.3	50.6	78.3	34.2	1.01	1.51
11647	8 • 1.	2.8	100.0	100.0	32.9	1.00	1,52
11649	19.9	7.7	100.0	85.0	39.1	1.02	1.50
11650	18.9	9.4	100.0	90.9	29.1	1.02	1.50
11651	13.9	3.7	100.0	96.1	41.6	1.02	1.50
11652	12.6	4.1	100.0	95.0	41.0	1.00	1.52
11655	16•9	3•2	100.0	94.6	41.1	1.00	1.52
11656		7.5	100.0	81.5	26.5	0.99	1.53
<b>1</b> 1658	20•8	9.8	100.0	73.1	38.3	0.99	1.55
11659	27.5	14.9	98.2	84.5	31.8	0.98	1.55
11660	26.5	17.2	84.3	89.8	33.2	0.99	1.53
11661	26.9	16.7	91.5	86.9	27.5	1.00	1.52
11662	25.0	17.0	93.5	88.9	31.4	1.01	1.51
11663	26.3	8.5	100.0	<b>9</b> 5.0	42.0	1.03	1,50
11664	23.1	5.0	100.0	100.0	49.0	1.01	1.49
11665	21.0	15.4	85.1	100.0	30.8	0.99	1.50
11666	17.9	4.3	100.0	98.7	46.8	1.01	1.50
11669	14.2	7.7	68.1	89.3	32.8	1.01	1.51
11670	17.•5	8 • 2	100.0	74,1	25.1	<b>1.</b> 01	1.52
11671	10.9	9.1	100.0	54.2	15.0	0.99	1.55
11672	27.3	18.7	77.0	88,2	27.1	1.00	1.52
11673	27.7	20.1	82.0 100.0	86.3 92.3	22.0 44.3	0.99 0.99	1.53 1.55
11674	27•7	7•9	¥00.•0	76.0	74.0	0 • 77	T • 11 G
11676	22.6	4.8	100.0	96.1	49.5	1.00	1.52
11677		14.4	30.0	89.0	22.7	1.00	1.52
11678	13.5	8 • 5	90.3	87,5	27.9	1.00	1.51
11680	20.0	11.4	100.0	100.0	33.3	0.99	1.49
11681	313	20.7	95.1	100.0	28.8	1.02	1.47
11683	31.•9	19.8	96.0	100.0	34.8	0.97	1.51
11686	32.1	19.5	79.6	97.4	36.3	1.00	1.50
11687	32.1	23.1	67.4 70.2	97.1 100.0	19.9	1.01 1.00	1.50 1.50
11688 11689	32•0 31•9	22•7 20•6	80.4	99.0	22.6 31.6	1.00	1.50
11689 11690	31.•8	6.9	100.0	100.0	48.7	0.99	1.49
and the second s			1000	100.0	no e	A 00	1 =0
11692	31.8	10.9	100.0	100.0	40.4	0.98	1.50
11693	31.9	21.9	64.6	100,0	24.9	0.99	1.50

A.F.E. MANAGEMENT----WILLKENS 1-24 CHES DCc2591
ALTAMONT----24-1S-5W----DUCHESNE COUNTY, UTAH

DEDTO	COMP CN	POROSITY		ATIONS WATER-C/O		SILICON	CARBON OXYGEN
DEPTH	<u> </u>	%	<u> </u>	<u> </u>	**************************************	RATIO	RATIO
11694	31.9	22•1	62.7	100.0	22.6	1.01	1.48
11695	25.2	18.2	63.1	84.4	24.4	1.01	1.52
11696	19.6	13.9	53.4	73.1	34.1	1.00	1.55
11697	18.3	13.5	64.6	77.2	30.7	1.01	1.53
11698	16.8	9.8	94.8	82.0	36.6	1.00	1.53
11700	17.5	10.0	90.8	59.4	23.8	1.02	1.54
11701	14.5	11.4	100.0	35.7	10.6	1.01	1.56
11702		10.2	96.1 100.0	<u>59.1</u>	9.8	0.99 0.98	1.54 1.53
The state of the s	12.5 14.8	9•8 9•4	100.0	77.6 73.4	9,1	1.00	1.53
11704 11705	16.7	8 • 7	100.0	62.2	32.9	1.02	1.54
71/112	10.7		200	ے ج	02.1	2 9 0 (2	
11708	15.7	8.7	60.3	74.1	36.0	0.98	1.56
11709	13.9	2 • 3	100.0	100.0	41.0	0.99	1.54
1171.0	12.9	6.5	87.2	70.9	23.6	0.98	1.54
11711	11.9	8.3	99.8	49.5	11.1	0.99	1.55
11712	8.3	5.0	100.0 92.3	42.7 0.0	21.2 5.4	0.99 0.96	1.56 1.59
11713 11714	9•3 8•3	6.5 5.9	100.0	23.5	5.5	0.97	1.57
11715	6.3	1.0	100.0	100.0	25.4	0.96	1.58
11716	7.4	1.2	100.0	100.0	22.3	0.98	1.57
11717	9.9	4.3	100.0	25.5	15.4	0.97	1.57
11718	11.1	5.0	100.0	24.3	20.1	0.98	1.58
11719	11.4	3.7	100.0	61.7	30.2	1.00	1.54
11720	14.6	5.4	100.0	65.7	38.5	1.03	1.52
11721	17.2	9.1	100.0	57.1	23.2	1.03	1.53
11722	20.8	8 • 8	100.0	79.3	35.3	1.01	1.52
11723	18.7	2.7	100.0	100.0	49.1	0.99	1.53
11724	17.4	3.2	100.0	94.5	44.0	0.98	1.54
11726	17.0	8.5	100.0	67.8	24.5	1.04	1.50
11727	19.6	12.2	100.0	53.6	9.4	1.03	1.52
11728	14.6	11.8	85.0	58.5	23.1	1.00	1.55
11729	13.1	2.7	100.0	100.0	41.6	1.03 1.02	1.53 1.54
11730	14.7	9•3 <b>9•</b> 5	64.7 60.8	48.1 44.4	18.7 18.2	1.02	1.54
11731 11732	10.9	7.5 5.5	100.0	14.0	21.5	1.00	1.58
11733	7.4	3∙გ	100.0	14.0	17.0	1.01	1.55
11734	11.8	5 • 7	100.0	0.0	16.1	1.02	1.57
11735	12.5	5.3	100.0	41.4	33.3	1.02	1.55
11737	18.0	3.8	100.0	79.8	41.7	1.03	1.56
11738	24.2	11.7	49.2	44.2	31.0	1.03	1.56
11739	21.0	4.7	100.0	85,9	44.4	1.02	1.55
11740	18.1	5.3	100.0	87.5	41.3	1.01	1.55
11741	15.9	3.2	100.0	87.6	44.3	1.03	1.54
11742	19•6	4.7	100.0 100.0	87.2 76.7	41.2 32.1	1.03 1.05	1.53 1.50
11743 11744	20•5 20•3	10.5 13.9	66.9	76.7 81.9	204	1.03	1.50

A.F.E. MANAGEMENT----WILLKENS 1-24 CHES DCc2591
ALTAMONT----24-18-5W----DUCHESNE COUNTY, UTAH

DEPTH	COMP CN	POROSITY	SATURA WATER-NLL %	WATER-C/O		SILICON CALCIUM	CARBON OXYGEN
	%	<u>%</u>	70	%	%	RATIO	RATIO
where the medical control of the second of t							
11745	16•5	13.7	27.8	75.9	14.8	1.02	1.51
11746	6.5	11.1	32.9	62.5	10.1	1.03	1.51
11747	2.7	6.1	53.1	27.1	14.8	1.05	1.52
11748 11749	3.6 4.5	3 • 7 4 • 5	100.0 100.0	0.0 0.0	8.0 10.8	1.05 1.03	1.52 1.53
11750	5.0	4.4	100.0	10.6	15.4	1.03	1.53
11751	6.6	4 • 1	100.0	44.0	23.4	1.03	1.53
11752	9.7	5.6	100.0	50.1	22.1	1.01	1.53
11753	16.0	9•1	100.0	46.4	22.0	1.05	1.52
11754	17.3	8 • 7	100.0	55.4	34.1	1.05	1.52
11755	17.7	9.5	100.0	<u>57.7</u>	27.6	1.02	1.54
11756	14.2	6 • 9	100.0	50.2	25.8	1.03	1.53
1175	1 / 7	7 0	100.0	76.4	31.1	1.02	1.51
11758_	16.3	7•0	100.0		31.1	T • 0 5	7.01
11762	19.3	3.2	100.0	92.8	49.1	1.03	1.51
				F. 8			
11765	14.5	1.5	100.0	100.0	49,0	1.01	1.53
11766	16.8	6.7	100.0	68.1	34.0	1,03	1.51
11767	15.6	10.3	96.3	68.6	11.2	1.02	1.51
			- 400 O		10 to 10		1 = 7
11776	26.8	7.0	100.0	91.9	44.8	1.01	1.53
11777 11778	27.4 26.4	16•7 8•1	60.6 100.0	83.7 99.4	38.2 43.0	1.02	1.52 1.48
11779	25.3	17•1	44.4	84.1	30.8	1.05	1.49
11780	24.7	15.8	77.3	78.2	33.3	1.05	1.50
		_	•		•		
11782	28.4	8.3	100.0	88,6	43.8	1.02	1.54
11783	22.2	11.7	77.9	71.4	38.7	1.04	1.52
11784	17.9	6 • 8	100.0	95.3	40.1	1.04	1.49
11785	12.4	8 • 8	80.7 100.0	75.0	34.7	1.03	1.51
11786 11787	15.1 14.6	6 • 4 6 • 3	100.0	57.9 53.8	34.6 27.6	1.00 1.01	1.56 1.54
11788	13.1	5.7	100.0	61.4	22.8	1.01	1.52
11789	16.0	7.4	100.0	49.9	24.2	1.04	1.52
11790	20.3	3.6	100.0	89.9	43.8	1.02	1.53
11791	22.2	12.9	100.0	48,6	25.8	1.03	1.55
11792	22.9	11.2	90.2	51,9	33.4	1.02	1.55
11793	22.3	10.3	60.4	49.8	38.7	1.01	1.57
11794	19.3	9.7	58.7	41.0	36.4	1.02 1.03	1.57
11795	17.2	9•6	53.2 92.0	56.6 38.9	38.2 16.0	1.03	1.54 1.54
11796 11797	12•6 9•5	8•7 4•8	71.5	65.6	22.6	0.99	1.54
11798	7.3	4.6	100.0	77.6	22.6	0.98	1.54
11799		6.9	100.0	84.8	24.7	0.97	1.54
11803	21.8	16.3	48.8	73.1	28.5	1.03	1.52
11804	18.9	15.4	59.1	63.4	16.4	0.99	1.56
11805	19.8	11.2	57.2 97.9	65.1 49.5	34.7	1.00	1.55
11806	17.5	9.2	87.9	49,5	22.4	1.02	1.54
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A.F.E. MANAGEMENT----WILLKENS 1-24 CHES DCC2591 ALTAMONT----24-18-5W----DUCHESNE COUNTY, UTAH

	COMP	POROSITY	SATURA	ATIONS	SHALE	SILICON	CARBON	
DEPTH	CN	TONOGITE		WATER-C/O		CALCIUM	OXYGEN	
	%	%	%	<u>%</u>	%	RATIO	RATIO	
11807	11.1	7•1	69.1	84.0	26.5	0.99	1.53	
11808	8.3	7.4	77.8	55.8	15.9	0.99	1.55	
11809	3.9	6 • 1	100.0	0.0	4.2	1.01	1.55	
11810	3.3	4.0	100.0	11.5	12.5	0.98	1.56	
11812	12.4	4 • 4	100.0	10.7	25.5	1.01	1.57	
11813	13.4	4.9	100.0	45.0	25.3	0.99 0.99	1.56 1.54	
11814 11815	15.3 18.1	6•0 <b>6•</b> 5	100.0	64.1 43.7	27.0 37.7	1.04	1.54	
11816	18.5	8•0	100.0	53.0	30.6	1.03	1.54	
11817	17.1	7.4	100.0	65.8	39.9	1.02	1.53	
11818	12.9	7.7	94.6	54.9	23.6	1.03	1.52	
11819	8.6	6•1	93.1	20.0	14.3	1.02	1.54	
11820	115	6.3	100.0	0.0	11.2	1.02	1.57	
11821	11.7	7.1	100.0	24.6	14.3	0.99	1.57	
11822	16.8	9 • 7	93.8	58.4	19.3	0.99	1.55	
11823	25.7 29.5	14.2	91.9 82.8	76.3 92.2	23.4 39.9	1.00 0.99	1.54 1.52	
11824 11825	28.5	14.3 17.8	74.7	96.9	34.8	1.00	1.51	
11826	20.2	15.3	66.0	88.6	27.3	1.00	1.52	
11827	12.6	14.1	34.6	59.1	14.6	1.01	1.54	
11828	4.7	1.2	100.0	100.0	25.6	1.01	1.54	
11829	8•6	1.1	100.0	100.0	29.8	0.99	1.55	
11830	14.9	6.1	100.0	75.2	29.9	1.00	1.53	
			100.0	00.0	U= 7	1 07	1 -1	
11832	16.2	3.8	100.0 100.0	92.9	43.3	1.03 1.05	1.51 1.50	
11833 11834	9.8 5.8	7•7 6•7	83.8	58.4 58.1	15.1 11.6	1.03	1.51	
11835	3.4	4.9	27.5	4.2	8.0	1.05	1.51	
11836	2.6	4.9	0.0	22.9	5.0	1.07	1.48	
11837		5.5	17.0	16.9	5.0	1.07	1.48	and the second s
11838	6.5	3 • 7	0.0	52,3	27.0	1.03	1.52	
	12.1		100.0	100.0	42.2	1.02	1.53	
11840		4.9	100.0	93.9	48.9	1.04	1.50	
	23.2		85.0 100.0	85.2	38.3	1.01	1.52	
11842	2 1 A 1 7 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	12•9 13•0	100.0 76.5	73.6 70.9	27.3 34.1	1.03 1.02	1.51 1.53	
11843	25 • 0 23 • 7	12.9	94.0	86.6	28.0	1.01	1.51	
11845		4.3	100.0	97.1	46.6	1.01	1.51	
11846		3 • 8	100.0	90.0	47.4	1.02	1.54	
	18.7		100.0	75.3	28.3	1.01	1.52	
		_		100	,	1 0-		
	17.9	2.3	100.0	100.0	47.7	1.01	1.56	
	16.8	5•9 5•7	100.0	73.0	28.1	1.00 1.02	1.53	
11852 11057	7•2	5 • 3 1 • 1	100.0	49,2 100.0	22.2 30.3	1.00	1.53 1.56	
11853 11854	7•4	0.0	100.0	100.0	49.9	1.00	1.53	
	10.2	2.6	100.0	100.0	32.4	1.01	1.51	
11856		3.7	100.0	32.3	27.6	1.02	1,55	
11857		3.9	100.0	5 <u>2</u> ,6	17	1.02	1.52	

A.F.E. MANAGEMENT----WILLKENS 1-24 CHES DCC2591 ALTAMONT ---- 24-18-5W---- DUCHESNE COUNTY, UTAH

	COMP	POROSITY_		ATIONS	SHALE	SILICON	CARBON
DEPTH	<u>cn</u>			WATER-C/O		CALCIUM	OXYGEN
	%	<u>%</u>	<u> </u>	%%	%	RATIO	RATIO
11858	8.5	5•6	100.0	57.2	16.2	1.00	1.53
11859	18.1	10.9	99,1	44.2	22.8	1.01	1.56
11860	23.3	13.7	100.0	62.6	26.8	1.03	1.53
11861	25.4	16.2	100.0	74.8	17.4	1.02	1.52
11862	26.8	16.9	100.0	83.9	23.7	1.02	1.51
11863_	25•1	15.3	82.8	91.1	38.7	1.03	1.49
11864	22.7	15.2	73.6	100.0	22.1	1.01	1,49
11865	21.3	15.1	84.6 83.3	89.2	13.4	1.00 1.01	1.51
11866	19.7 18.0	11.3 10.4	81.0	66,5 44,3	29.3 25.8	1.01	1.54 1.57
11867 11868	16.4	10.4	100.0	25.6	16.0	1.02	1.57
11869	17.1	3.6	100.0	82.8	41.1	1.02	1.56
11870	17.4	8.3	100.0	47.2	27.3	0.99	1.57
11871	17.1	9.3	100.0	24.3	11.9	0.99	1.58
11872	14.6	8•7	87.2	5.4	14.6	0.98	1.60
11873	14.1	7.9	77.3	0.0	18.0	0.97	1.64
11874	17.6	10.2	73.3	27.6	21.8	0.97	1,61
11875	20.7	13.3	92.8	29.5	15.4	0.97	1.61
11876	22.4	15.7	91.7	50.8	14.4	0.99	1.58
11877	23.5	16.8	90.2	45.6	11.3	1.01	1.57
11878	22.6	15•1	97.6	61.0	13.8	1.01	1.54
11879	21.6	13.2 12.2	100.0 100.0	66,2 46,4	18.2 17.8	1.01 1.01	1.53 1.55
11880 11881	20.9	10.0	100.0	43.4	29.2	1.01	1.57
11882	17.0	10.0	89.7	20.2	20.1	1.03	1.56
11883	13.5	10.7	82.0	32.3	12.5	1.03	1.54
11884	24.6	18.1	51.8	65.8	11.0	1.00	1.55
11885	21.0	13.2	77.1	66.7	27.8	1.02	1.53
11886	16.9	5•3	100.0	84.5	40.2	1.05	1.53
11887	13.9	7 • 8	50.0	22.5	24.2	1.04	1.56
11888	10.1	8 • 3	39.3	18.7	11.1	1.02	1.55
11889	8•7	6 • 0	76.1	33.8	19.5	1.02	1.54
11890	25.3	14.0	67.0	77.6	<u>35.5</u>	1.02	1.52
11891	21.1	12.8	100.0 100.0	61.4 36.3	25.2 21.6	1.01 1.03	1.54 1.55
11892 11893	15.6 11.2	10•2 8•1	100.0	0.0	5.5	1.01	1.57
11893 11894	_1.t•≤ 4.5	<b>3.</b> 0	100.0	0.0	14.3	1.00	1.57
11895	7.7	4.2	100.0	1.2	11.6	1.01	1.55
11896	7.7	5.7	87.3	1.2 36.3	16.4	1.01	1.54
11897	8.3	3.1	100.0	30.0	23.3	0.99	1.56
<b>1</b> 1898	9.8	5.5	100.0	0.0	11.7	1.02	1.56
11899	9.4	6•6	100.0	0.0	5.2	1.00	1.58
11900	13.0	5.7	100.0	18.1	20.5	0.99	1.58
11901	22.2	5 • 6	100.0	85.1	41.0	1.02	1.55
11902	20.0	12.9	65.1	54.5	29.5	1.03	1,55
11903	19.4	14.7	85.3 97.6	47.0 22.3	12.4	1.01 1.02	1.56
11904 11905	19.0 18.0	12•2 8•8	82.9	53,8	9.0 23.1	1.02	1.56 1.53
11906	25.6	5.9	100.0	91.2	43.1	1.01	1.53
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A.F.E. MANAGEMENT----WILLKENS 1-24 CHES DCC2591 ALTAMONT----24-1S-5W----DUCHESNE COUNTY, UTAH

	COMP	POROSITY		ATIONS	SHALE	SILICON	CARBON
DEPTH	CN			WATER-C/O		CALCIUM	OXYGEN
	<u>%</u>	%	%	%	%%	RATIO	RATIO
		7.9	100.0	92.5	47.0	1.02	1.52
11910	<u> 33.1</u>	20.5	86.2	84.1	33.2	1.03	1.51
11911	33.5 33.8	21.9	89.1	85.8	26.3	1.02	1.52
11912	33.5	22.5	95.5	89.2	22.8	1.02	1.51
11913 11914	32.5	21.0	87.5	91.3	28.7	1.04	1.49
11915	28.1	18.3	62.0	100.0	31.8	1.02	1.48
11916	25.3	16.3	35.6	94.3	35.0	1.02	1,50
11919	31.9	21.7	89.5	100.0	22.9	1.02	1.48
11920	32•5	22.0	78.6	100.0	23.0	1.02	1.47
11921	32.7	22.3	88.0	93.5	22.3	1.03	1,49
11922	32.8	10.4	100.0	100.0	41.8	1.02	1.48
11923	32.9	20.1	79.8	89.8	34.7	1.04	1.49 1.51
11924	32.9	10.6	100.0 84.3	94.6 100.0	41.5 30.0	1.00	1.50
11925 11926	33.0 33.0	20•8 10•7	100.0	96.9	41.4	1.03	1.49
1176b	30 • 9	1007	200.0	20.			<del></del>
11928	32.2	20.3	88.4	100.0	29.3	1.00	1.50
11929	31.6	18.9	77.6	93.1	35.2	1.00	1.52
11930	26.2	<u> 17.2</u>	77.4	93.0	27.6	1.02	1.50
11931	23.7	12.0	94.7	92.2	31.3	1.02	1.50
11932	26.1	5.0	100.0	95,6	47.6	1.00	1.52
11933	317	18.6	61.5	92.8	36.9	0.99	1.52
11934	32.4	22.3	74.2	95.8	18.2	1.01	1.50
11935	31. • 4	20.7	62.5	98.9	26.1	1.02	1.49 1.48
11936	28.2	20.2 6.5	80.3 100.0	100.0 \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	19.6 46.2	1.01	1.49
11937 11938	25•3 19•2	12.2	50.1	76.5	39.9	1.05	1.50
11939	15.0	12.1	68.0	72.6	21.2	1.03	1.51
11940	12.8	3.1	100.0	91.7	42.7	1.01	1.53
11941	15.3	2.6	100.0	100.0	45.3	1.02	1.52
11942	17.5	11.5	100.0	63,1	21.4	1.06	1.50
11943	27.0	16.5	77.7	76.5	29.3	1.03	1.52
11944	30.6	19•9	88.7	83.6	26.8	1.01	1.52
11945	32.6	22.6	88.6	99.1	17.7	1.00	1.50
11946	33.3	23.4	83.2	100.0	15.3	1.01	1.48
11947	33.7	24.7	85.4	98.9	9.7	1.03	1.48
11948	33.8	22•4 22•7	69.5 62.3	92 <b>.1</b> 90 <b>.6</b>	23.4 20.4	1.01 1.00	1.51 1.52
11949 11950	33.4 27.4	19.9	65.6	93.4	18.0	1.02	1.50
1195U 11951	27.2	19.3	60.8	93.0	20.2	1.02	1.50
11952	32.0	22.4	47.7	100.0	15.8	1.01	1,48
11953	23.6	17.6	47.4	100.0	16.3	1.02	1.48
11954	11.8	12.7	57.8	85.4	8.6	1.02	1.50
11955	11.5	8 • 6	74.6	64.7	14.9	1.02	1.51
11956	17.9	11.7	66.7	61.3	19.7	1.02	1.53
11957	24.3	16.6	63.5	64.1	21.5	1.02	1.55
11958	28.5	19.4	46.4 42.3	91,9	23.1	1.03 1.04	1,49 1,47
11959 11960	26.6 29.8	17·4 20·2	57.1	97.7 90.6	29.1 22	1.01	1.51

A.F.E. MANAGEMENT----WILLKENS 1-24 CHES DCc2591 ALTAMONT----24-18-5W----DUCHESNE COUNTY, UTAH

DEPTH	COMP CN %	POROSITY %		ATIONS WATER-C/O %	SHALE VOLUME %	SILICON CALCIUM RATIO	CARBON OXYGEN RATIO
11961	27.4	17•9	60.9	88.7	28.1	1.01	1.52
11964	18•1	9.8	100.0	37,5	24.0	1.03	1.55
11965_	18.0	8 • 1	95.5	58.2	30.5	1.02	1.54
11966	17.7	10.0	100.0	61.7	21.5	1.01	1,54
11967	21.3	9•6 <b>3</b> •9	100.0 100.0	5გ.4 <b>9</b> ე.1	31.4 42.7	1.01 1.03	1.55 1.52
11968 11969	20.4 17.6	13.6	21.2	72.3	12.9	1.05	1.49
11970		12.8	18.6	48.7	0.0	1.05	1.50
11971	2.9	6.3	60.6	0.0	0.0	1.05	1.51
11972		4.3	100.0	7.3	7.6	1.03	1.52
11973	5.7	3.0	100.0	100.0	16.9	1.00	1.54
11974	9.4	4.6	100.0	0.0	18.2	1.00	1.58
11975	18.3	8 • 8	87.9	41.1	33.3	0.99	1.59
11976	20.1	11.1	99.2	57.2	25.2	0.99	1.56
11977	22.0	12.1	84.7 78.6	50.6 59.1	33.7	1.03 1.02	1.56
11978 11979	23.0 23.1	14.9 15.3	69.7	56.1	22.3 17.6	1.02	1.54 1.55
119/9	21.8	14.8	57.7	37.7	14.8	1.05	1.55
11981	19.8	13.6	34.5	42.2	11.8	1.03	1.55
11982	17.7	12.0	42.7	39.6	17.0	1.00	1.57
11983	21.0	11.6	100.0	52.5	26.6	1.01	1.56
11984	25.8	15.4	95.1	64.1	23.7	1.02	1.54
11985	24.0	12.8	100.0	58.1	32.0	1.03	1,54
11986	24.2	6.4	100.0	86.7	43.2	1.03	1.54
11988	26.8	14.3	100.0	77.9	35.9	1.00	1.54
11989	24.5	14.7	85.8	69.9	28.5	1.00	1.55
11990		11.4	78.4	56.5	28,2	1.03	1.54
11991	14.0	9.4	64.0	48.1	27.8	1.04	1.54
11992	11.9	5.0	100.0	<u>52,5</u>	37.5	1.02	1.55
11993	16.8	2•5	100.0	100.0	49.0	1.02	1.52
11996	16.5	8•2	100.0	80.5	31.1	1.02	1.51
11999	13.3	4.8	100.0	70.5	34.1	1.00	1.53
12000	17.2	7.0	100.0	61.8	36.9	1.00	1.55
120n1	16.2	9.7	87.5	61,5	25.3	1.02	1.53
12002	14.6	6.6	100.0	43.2	37.9	1.00	1.57
12003	22.4	5.7	100.0	79,8	41.5	1.01	1.58
12004	22.5	13.2	94.7	54.5	30.1	1.01	1.56
12005	20.6	12.7	58.7	52,9	29.2	1.01	1.57
12006	14.0	12.6	31.2	51.7 41 4	9.2	1.03	1.53
12007	5•1 3•9	7•3 6•7	27.2 50.5	41.4 15.2	10.3 6.1	1.05 1.08	1,50 1,49
12008 12009	5•8	3.1	60.0	61.2	30.9	1.05	1.50
-cu'!7		J • 4		U1.	90.9		
12012	14.1	6.6	100.0	57.4	29.9	1.02	1.53
12013	10.5	3.4	100,0	60.4	27.1	1.02	1.52
12014	9.1	8•0	100.0	100.0	35.8	1.02	1.51

A.F.E. MANAGEMENT----WILLKENS 1-24 CHES DCC2591
ALTAMONT----24-18-5W----DUCHESNE COUNTY, UTAH

	COMP	POROSITY	SATURA	TIONS	SHALE	SILIÇON	CARBON
DEPTH	<u>CN</u>		WATER-NLL	WATER-C/O	VOLUME	CALCIUM	OXYGEN
	%%	<u> </u>	%	<u> </u>	%	RATIO	RATIO
12015	6•2	0 • 1	100.0	100.0	47.9	1.03	1.49
12016	r. 0	0.0	100.0	100.0	39.5	1.01	1.53
12017	2.9	0.7	100.0	100.0	30.4	1.01	1.51
12018	2.4	3.5	100.0	21.7	8.1	1.01	1.52
12019	2.4	2.2	90.0	100.0	17.1	1.03	1.52
12020	2.9	2.4	41.0	100.0	21.5	1.01	1.52
12021	4.6	4.9	89.2	77.0	15.4	1.02	1.50
12022	4.7	6.3	100.0	43.8	8.5	1.05	1.50
12023	2.6	8.1	69.6	52.9	5.1	1.03	1.51
12024	1.5	7 • 1	67.1	6.4	5.8	1.03	1.53
12025	2.4	4.4	100.0	0.0	8.4	1.02	1.54
12026 12027	2.1 1.6	3.2 4.0	100.0 77.3	59.6 19.6	13,4 8.4	1.02 1.05	1.50 1.50
12028	1.7	3.5	68.6	14.4	9.7	1.07	1.49
12029	3.3	4.8	48.5	44.3	12.7	1.05	1.49
12030	9.4	8.3	48.4	38.9	10.3	1.03	1.53
12031	24.3	7.7	100.0	95.1	41.0	1.01	1.51
av vanimin til store til store state s						-	
12033	20.2	12.9	83.6	81.1	30.3	1.04	1.49
12034	15.5	8.0	100.0	72.8	29.5	1.04	1.50
12035	13.2	6.6	100.0	46.1	18.9	1.06	1.50
12036	9.7	9.8	60.4	71.3	14.7	1.03	1.50
12037	9.0	6.1	100.0	67.5	21.1	1.03	1.51
12038	13.0	5.3	100.0	56.3	28.8	1.01	1.53
12039	13.8	5.6	100.0	73.9	33.7	1.01	1.52
12040	9.9	4.8	100.0	45.6	24.2	1.00	1.55
12041	6•7	0.7	100.0	100.0	29.9	1.01	1.56
12042	9.1	2.3	100.0	100.0	34.0	1.03	1.54
12043	14.5	5.4	100.0	70.9	32.7	1.01	1.52
12044	18.8	3.1	100.0	94.0	43.9	1.00	1.53
12045	20.6	3.7	100.0 100.0	85.7	41.2	1.01	1.56
12046 12047	18•1 16•0	8• <u>1</u> 7•8	100.0	60.8 73.8	30.8 30.0	1.03 1.01	1.53 1.53
12047	11.6	4 • 7	98.2	58.2	31.7	1.01	1.53
12049	8.1	6.7	21.9	44.3	13.3	1.03	1.52
12050	3.5	4.8	18.0	65.5	13.2	1.04	1.49
12051	4.8	6•1	37.8	100.0	20.9	1.05	1.46
12052	12.6	8.7	76.9	100.0	23.9	1.04	1.47
12054	14.6	7.1	100.0	94.7	29,7	1.01	1.50
12055	12.6	3.5	100.0	93.8	41.7	1.01	1.52
12056	14.6	11.4	87.9	85.5	29.5	1.02	1.50
12057	18.9	14.5	79.8	90.3	24.0	1.01	1.51
12058		8 • 1	100.0	95.9	42.3	1.00	1.52
12059	32.7	7 • 8	100.0	94.2	47.0	1.02	1.52
12060	27.8	17•1	100.0	84.2	36.4	1.02	1.52
1000-	0 4	1 -	100 0	1000	1111 C	1 00	1 = 0
12065	9.1	1.7	100.0	100.0 100.0	44.6 34.9	1.02 1.02	1.52
12066	5.8	2.1	100.0	100.0	39.5 38.4	1.02	1.52 1.51
12067	9•8	2•2	TO0.0	* 0 0 • O	<u>~ 5</u>	<b>▼</b> ●○ <b>T</b>	*• J L

A.F.E. MANAGEMENT----WILLKENS 1-24 CHES DCC2591 ALTAMONT----24-18-5W----DUCHESNE COUNTY, UTAH

	COMP	POROSITY		ATIONS WATER-C/O	SHALE	SILICON CALCIUM	CARBON OXYGEN
DEPTH	<u>CN</u>	%	WATER-NLL %	WAIER-C/U	<u> </u>	RATIO	RATIO
12068	11.8	4.7	100.0	43.3	29.7	1.01	1.55
12069	12.0	1.2	100.0	100.0	47.6	0.99	1.55
12072	16.3	2•6	100.0	100.0	45.9	1.01	1.55
12073	15.5	8.1	100.0	72.6	29.0	1.00	1.54
12074	16.0	9•3	100.0	75.9	23.1	1.00	1,53
12075	15.9	12•2	100.0	63.0	10.3	1.03	1.52
12076		11.8	100.0	61.4	9.8	1.02	1.52
12077		4.0	100.0	22.8	11.8	1.01	1.53
12078	13.2	5.4	63.6	46.3	29.1	0.99	1.56
12083	19.6	9.5	100.0	41,2	33.7	1.00	1.59
12084	18.6	3.3	100.0	83.9	45.8	1.02	1.56
12085	19.6	8.9	94.9	51.9	33.7	1.02	1.55
12086	19.5	10.6	100.0	57.6	25.3	1.03	1.53
12087	17.5	8.9	100.0	57.0	25.3	1.00	1.55
12088	15.6	9.2	100.0	37.3	18.8	0.97 0.98	1.59
12089	15.7	9• <u>1</u> 8•3	100.0 94.9	28.6 37.4	14.2 35.0	1.01	1.58 1.57
12090 12091	20.6 18.5	9.5	100.0	42.5	25.6	0.99	1.58
12092	16.6	8.4	100.0	40.1	23.8	1.02	1.55
12093	17.1	7.5	100.0	42.4	26.7	1.02	1.55
12094	14.1	7.8	100.0	40.2	10.0	1.02	1.54
12095	11.6	6.6	100.0	9.2	18.1	1.02	1.57
12096	9.8	1.5	100.0	100.0	33.4	0.99	1.54
12097	12.4	0.9	100.0	100.0	42.0	1.01	1.56
12098	10.5	6.8	100.0	3.7	15.1	1.03	1.55
12099	8•9	5 • 8	100.0	0.0	5.9	1.02	1.55
12100	10.1	4.7	100.0	22.4	19.2	1.01	1.55
12101	10.3	4.5	100.0 100.0	19,1 13,8	20.6 15.6	1.03 1.05	1.54 1.52
12102 12103	9.2 9.4	5•3 4•6	63.7	28.2	28.1	1.03	1.55
12104	11.3	4.8	46.5	55.3	30.3	1.02	1.53
12105	13.7	7 • 0	100.0	90.9	15.4	1.00	1.51
12106	15.0	7•2	100.0	81.9	20.7	1.00	1.52
12107	16.4	2.6	100.0	100.0	46.1	1.04	1.53
12108	19.3	10.3	100.0	50.0	26.4	1.06	1.52
12109	15.4	11.2	100.0	38.6	12.3	1.03	1.54
12110	7.5	4.9	100.0	0.0	10.6	1.03	1.55
12111	3.1	2 • 1	100.0	100.0	18.1	1.01	1.54
12112	18.6	3.9	100.0	90.8	46.7	1.01	1.53
12113	25•1	4.8	100.0	86.1	46.6	1.03	1.55
12114	29.1	6.1	100.0	83.7 57.7	42.1	1.05	1.53
12115	30•4	14.8	100.0	57 <b>.</b> 7	37,1	1.03	1.55
12117	28.5	18•6	100.0	85.4	26.9	1.01	1.52
12118	25.5	17.2	100.0	84.1	25.4	1.03	1.51
12119	20.0	13.6	100.0	75.1	29.4	1.04	1.51
12120	17.0	12.0	90.7	81.4	31.1	1.02	1.51
12121	23.1	14.0	48.6	66.4	35.5	1.03	1.54

A·F·E· MANAGEMENT----WILLKENS 1-24 CHES DCC2591
ALTAMONT----24-1S-5W----DUCHESNE COUNTY, UTAH

	COMP	POROSITY	SATUR	ATIONS	SHALE	SILICON	CARBON
DEPTH	CN		WATER-NLL	WATER-C/O		CALCIUM	OXYGEN
	%	%	%	%	%	RATIO	RATIO
12122	26•6	18•8	63.3	65.4	17.6	1.03	1.53
12123	6.8	7 • 2	100.0	44.2	30.2	1.03	1.54
12124	6.3	5.1	59.7	63.8	39.8	1.02	1.53
12125_	6.8	5 • 4	100.0	70.5	17.4	1.04	1.49
12126	3.0	7.6	100.0	22.7	12.4	1.03	1.54
12127	1.9	7.4	97.6 80.9	0.0	7.9 3.3	1.03 1.06	1.55 1.51
12128	1.8 0.6	6 • 6 7 • 2	49.8	9.5	6.9	1.05	1.52
12129 12130	1.1	7•2 5•7	27.7	39.4	14.4	1.04	1.51
12131	2.9	6.4	19.3	11.7	14.3	1.04	1.54
12132	2.3	8.9	53.7	14.9	5.6	1.05	1.52
12133	5.4	8 • 8	29.5	53.9	14.5	1.05	1.51
12134	7.4	5.0	21.3	52.4	22.8	1.03	1.52
12135	7.4	4.3	26.5	44.2	<u> 33.0</u>	1.03	1.54
12136	11.0	8.1	100.0	7.4	6.3	1.01	1.55
12137	12.7	10.4	75.4	40.1	14.1	1.02	1.55
12138	11.9	7.2	88.6 22.7	9,9	16.3	1.01 1.02	1.57
12139	16.7	7. <u>1</u> 6.8	34.2	39.2 41.4	29.4 38.4	1.02	1.56 1.56
12140 12141	<u>18•8</u> 18•3	9.4	95.3	1 127.8 T	23.9	1.04	1.56
12142	18.4	6.9	100.0	42.1	35.8	1.02	1.56
12143	18.7	6.4	100.0	46.9	37.6	1.04	1.54
12144	18.0	6.4	100.0	36.8	39.1	1.07	1.53
			100 0	7. 6	40.5	1.04	1.57
12146	<u>19.7</u> 17.4	5.0 11.2	100.0 100.0	76.6 4.3	14.0	1.07	1.55
12147 12148	14.9	8.6	100.0	49.5	18.8	1.04	1.52
12149	14.0	8•5	100.0	56.1	17.1	1.04	1.51
12150	19.6	13.6	81.7	75.4	13.0	1.02	1.51
12151	19.6	13.5	95.2	84.1	17.0	1.00	1.52
12152	18.3	13.8	100.0	60.3	13.5	1.04	1.52
12153		14.2	100.0	71.3	9.2	1.05	1.49
12154		8.7	59.7	88.7	27.8	1.02	1.49
12155	14.9	2.8	100.0	100.0	44.8	1.04 1.05	1.50 1.51
12156	9•0 4•9	6•7 7•1	100.0 100.0	31.2 14.8	9 <b>.2</b> 5.2	1.05	1.51
12157 12158	6.4	6•6 	100.0	0.0	1.1	1.03	1.54
12159	9.4	5.7	54.7	19.0	19.1	0.98	1.58
12160	10.5	8.2	0.0	64.3	21.8	0.97	1.56
12161	7.5	3.0	60.6	100.0	24.1	0.99	1.53
12162	5.1	0.0	100.0	100.0	32.8	1.00	1.53
12163	2.7	0.0	100.0	100.0	17.7	1.01	1.51
12164	0.7	1.5	100.0	100.0	4.2	1.01	1.52
12165	0.1	3 • 1	100.0	0.0	4.2	1.00	1.53
12166	0.2	2.9	82.9	100.0	8.2	1.01	1.52
12167	<u>0.6</u>	3.4	26.9 100.0	63,1 100,0	7.9 20.5	1.02 1.03	1.50 1.50
12168 12169	1.6 3.4	0 • 3 0 • 0	100.0	100.0	33.1	1.04	1.51
*<10A	0.4	0.0	20000	-00.0			
12171	9.4	0.0	100.0	100.0	46	1.02	1.52

A.F.E. MANAGEMENT----WILLKENS 1-24 CHES DCc2591 ALTAMONT----24-18-5W----DUCHESNE COUNTY, UTAH

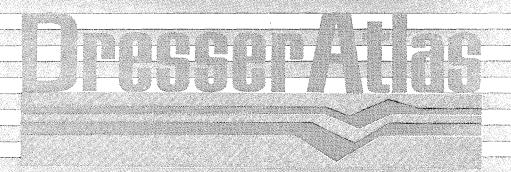
DEPTH	COMP CN	POROSITY		ATIONS WATER-C/O	SHALE Volume	SILICON CALCIUM	CARBON OXYGEN
	%	%	%	%	%	RATIO	RATIO
12173	15.0	4 • 8	74.7	58.7	38.1	1.04	1.52
12174	16.3	6•3	100.0	48.6	35.8	1.02	1.55
12175		6•9	100.0	60.4	28.4	1.01	1.54
12176	17.0	2.7	100.0	100.0	45.6	1,04	1.53
12178	10.0	1.1	100.0	100.0	45.1	1.03	1.52
12179	6.2	1.8	100.0	100.0	29.6	1.02	1.49
12180	9.3	3•6	100.0	88.1	23.3	0.98	1.52
12184	17.6	8•3	100.0	76.2	32.8	1.01	1.52
12185	13.8	8.7	100.0	70.7	17.7	1.02	1.52
12186	4.2	4.1	100.0	46.2	23.4	1.02	1.53
12187	1.6	3.9	100.0	2.8	15.9	1.01	1.55
12191	19.9	9.3	86.0	91.7	37.6	0.99	1.52
12192	21.4	11.7	97.3	57.3	22.7	1.01	1.54
12193	23.2	13.7	88.8 92.0	55.7	21.1	1.03	1.54
12194 12195	23.2 21.0	12.3 11.3	95.6	64. <u>5</u> 57.0	39.8 39.2	1.0 <u>2</u> 1.03	1.55 1.55
12195	17.9	12.6	91.8	62.2	24.3	1.03	1.53
12197	14.4	13.9	47.7	86.4	18.5	1.01	1.51
12198		11.2	4.3	98.0	38.8	1.02	1.49
						*********	
12201	10.6	7•0	100.0	73.9	24.3	1.02	1.51
12202	7.9	4.6	100.0	80.9	39.9	1.01	1.52
12203	13.5	12.3	47.9	60.8	20.7	1.03	1.52
12204	11.3	8 • 8	100.0 100.0	54.7 38.1	19.4 30.8	1.03 1.03	1.52 1.53
12205 12206	4.0 0.7	<b>3.0</b> 0.0	100.0	100.0	20.8	1.03	1.53
12207	n • 1	1,3	100.0	100.0	9.5	1.04	1.50
12208	-0.1	0.0	100.0	100.0	18.4	1.04	1.50
12209	-0.1	0•0	100.0	100.0	20.7	1.03	1.53
12210	-0.1	3.0	100.0	ე.0	6.6	1.04	1.50
12211	0.4	2•5	100.0	100.0	4.9	1.03	1.54
12212	16	2.7	93.2	100.0	11.5	1.00	1.57
12213	5.2	0.8	100.0	100.0	32.1	1.00	1.54
12214	12.8	1.8	100.0 94.4	100.0	41.4	1.01	1.54
12215 12216	16.0 20.4	5•8 4•6	100.0	72.0 92.2	25.7 46.4	1.02 1.05	1.51 1.50
* * C C '. P		7 • ₽	70000	72.05	70•7	2,00	<b></b>
12219	32.3	19.8	68.2	86,1	28.4	1.05	1.49
12220	28.0	18.5	89.3	68,9	23.1	1.03	1.53
12221	20.6	13.9	100.0	62.4	26.7	1.02	1.54
12222	17.2	10.8	61.8	83,1	38.0	1.03	1.51
12223	16.0	4 • 5	100.0	97.8	46.3	1.01	1.50
12233	29.3	18•6	66.6	88.1	27.2	1.02	1.51
12234	20.1	15.3	100.0	71.7	16.9	1.04	1.51
12235	15.9	13.7	100.0	47.3	12.9	1.02	1.55

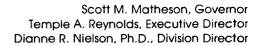
A.F.E. MANAGEMENT----WILLKENS 1-24 CHES DCc2591 ALTAMONT----24-1S-5W----DUCHESNE COUNTY, UTAH

	COMP	POROSITY		ATIONS WATER-C/O		SILICON CALCIUM	CARBON OXYGEN
DEPTH	% CN	96	WAIER-NLL %	<u>WAIER-C/O</u> %	WOLUFIE %	RATIO	RATIO
12236	13.4	12•2	79.9	47.8	15.5	1.04	1.53
12237	15.8	10.0	28.0	61.6	37.5	1.04	1.52
12238	10.7	4.4	100.0	96.4	40.0	1.03	1.49
12239	8.8	8.9	100.0	80.1	21.5	1.02	1.50
12240	8.3	6.5	90.5	78.0	32.8	1.01	1.52
12241	6.8	6.9	100.0	85.0	24.9	1.02	1.50
12242	3.6	7 • 1	100.0	48.2	12.1	1.04	1.51
12243	2.9	3.5	100.0	26.6	19.3	1.02	1.53
12244	4.1	1.6	100.0	100.0	15.8	1.01	1.55
12245	5.1	1.7	100.0	100.0	10.9	1.02	1.54
12246	6.1	2.0	100.0	100.0	15.4	1.01	1.54
12247	8.3	2.2	55.7	100.0	33.1	1.00	1.54
12248	10.9	2.8	29.8 95.1	100.0	35.9	1.00 1.00	1.57 1.58
12249	14.3	8•6	100.0	0.0	10.3 6.3	1.01	1.56
12250 12251	12.7	7•0 9•5	100.0	56.4	10.6	1.00	1.54
12252	15.9	6.6	0.0	36.8	32.8	1.01	1.57
12253	11.3	3.7	0.0	42.8	37.1	1.02	1.55
12254	7.8	0.0	100.0	100.0	46.4	1.01	1.52
	The state of the s						
12258	20.9	4.5	100.0	87.6	43.1	1.02	1.54
12259	22.8	12.5	100.0	69.2	26.7	1.02	1.53
12260	21.6	3.4	100.0	92.2	49.6	1.02	1.52
12261	21.1	4.2	100.0	89.7	43.6	1.01	1.54
12263	228	12.5	100.0	65.0	29.4	1.02	1.54
12264	15.0	10.2	100.0	81.9	19.3	1.02	1.50
12265	11.4	6•3	100.0	62.2	18.7	1.02	1.52
12266	16•2	2.9	100.0	100.0	42.8	1.01	1.53
12269	18.7	8.5	96.7	53.2	29.1	1.02	1.55
12272	16.6	9.1	100.0	63.1	24.9	1.04	1.51
12273	6.2	6.9	100.0	68.7	14.0	1.03	1.50
12274	7.1	2.9	100.0	100.0	41.0	1.04	1.50
12275	8.5	8 • 5	37.5	44.3 70.1	12.7	1.01 0.99	1.54 1.54
12276	5.9	5.7	18.6 30.1	70.1 56.6	29.8 25.9	1.00	1.54
12277 12278	13.4 10.7	5.2 8.1	100.0	53.6	6.4	1.00	1.53
12278	6.5	6.5	100.0	34.8	10.3	0.99	1.55
12280	12.8	6.5	63.6	39.8	22.6	1.01	1.55
12281	18.1	11.5	21.3	55. <b>1</b>	20.9	1.00	1.56
12282	21.8	12.9	38.2	63.0	29.2	1.03	1.53
12283	23.3	12.0	73.9	69,9	30.8	1.04	1.52
12284	18•1	5.0	100.0	87.4	41.6	1.04	1.53
12285	12.2	9.4	100.0	70,6	9.8	1.03	1.50
12286	2.5	4.0	100.0	52.0	13.1	1.01	1.52
12287	4 • 1	3.2	100.0 64.5	43.8 3. 0	13.1	1.03 1.06	1.51 1.49
12288	3.5	5.1	89.1	31.0 27.6	7.5	1.05	1.50

A.F.E. MANAGEMENT----WILLKENS 1-24 CHES DCC2591 ALTAMONT----24-18-5W----DUCHESNE COUNTY, UTAH

	COMP	POROSITY	SATURA	ATIONS	SHALE	SILICON	CARBON
DEPTH	CN		WATER-NLL	WATER-C/O	VOLUME	CALCIUM	OXYGEN
annonno, "Mila dilancaro, caracteristic 1974 (Mila dilancaran)	<u> </u>	<u>%</u>	%	%%	%	RATIO	RATIO
12290	1.3	3.0	100.0	6.1	6.3	1.06	1,49
12291	3.1	5 • 8	9.8	91.4	9.2	1.03	1,48
12292	4.7	6.2	22.7	55.7	10.7	1.02	1.51
12293	6 • 1	3.6	71.1	6.2	16.5	1.03	1.53
12294	8•7	5.6	51.0	46.7	17.6	1.01	1.53
12295	12.8	9.4	66.8	46.9	16,4	1.02	1.54
12296	5 • 9	7 • 3	100.0	44.9	18.5	1.93	1.52
12297	7.5	4.3	100.0	17.4	11.0	1.02	1.53
12298	9.8	4.0	73.2	21.9	19.6	1.03	1.53
12299	11.6	3.6	0.0	55.9	31.2	1.02	1,53
<b>1</b> 2300	12.7	3.8	37.9	100.0	37.3	1.01	1.28







4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

May 15, 1984

AFE Management Limited 372 Bay St. #208 Toronto, Ontario, Canada M5H 2W9

> RE: Well No. Wilkins 1-24A5 API #43-013-30320 927' FNL, 1580' FEL NW/NE Sec. 24, T. 1S, R. 5W. Duchesne County, Utah

#### Gentlemen:

This letter is to advise you that the back side of the "Well Completion or Recompletion Report and Log" for the above referred to well is due and has not been filed with this office as required by our rules and regulations.

Please complete the enclosed Form OGC-3 and forward it to this office as soon as possible.

We will be happy to acknowledge receipt of response to this notice if you will include an extra copy of the transmittal letter with a place for our signature, and a self addressed envelope for the return. Such acknowledgement should avoid unnecessary mailing of a <u>firm</u> second notice from our agency.

Your prompt attention to the above will be greatly appreciated.

Respectfully.

Claudia Jones

Well Records Specialist

CLJ/cj

Enclosure

cc: Dianne R. Nielson, DOGM Ronald J. Firth, DOBM

## STATE OT TAH

SUBMIT IN DUPLICATES (See other ins ) ons

· ' C	DEPARTMENT DIVISION O				_	on re	verse si. v		·		ION AND BERIAL
	DIVISION O	ir Oil, Gr	10, AIVL	NINITALIAG	•			,	API#43		
WELL CO	OMPLETIO	N OR R	ECOM	IPLETIO	N REPC	RT AN	D LOG	* 6			TEE OR TRIBE NA
1a. TYPE OF WI		WELL X	WELL			<del> </del>		<del></del> }	UNIT AGE	EEMENT	NAME
L TYPE OF CO	•					3		_   .			
WELL L	OVER L	EN	PLOG DACK	DIFF. DESVR.	Other	<u>.                                    </u>		<del></del> i	FARM OR		NAME
2. NAME OF OPER	лтов 'AFE Manage	ement Li	mited					I	VILKINS		
3. ADDRESS OF OF	ERATOR				· · · · · · · · · · · · · · · · · · ·	<del></del>	<del></del>		1-24A5		
	372 Bay S	t., Suit	e 208,	Toront	o, Ontar	io, CAN	IADA M5H	2W9-1	O. FIELD AI	ND POOL	OR WILDCAT
4. LOCATION OF W	927 FNL	1580'FE	and in acc	cordance wi	th any State	RECE	IVED	1	ALTAMO	R., M., O	R BLOCK AND BURY
At top prod. in	nterval reported	below NW1	NF1			•••			OR AREA		
At total depth		4				3 NUL	1984		Sec.	24, T	1S R5W USM
			Í	14. PERMIT	T NO.	DIVISION	SSUED	1:	2. COUNTY	OR	13. STATE
						$\triangle$	OF OIL	0	UCHESNI	E	UTAH
June 15/74	16. DATE T.D. NOV. 10/		nar. Mar.		dy to prod.)	18. ELEV.	ATIONS (DF.	RKB, RT,	R, ETC.)*	19. EI	LEV. CASINGHEAD
20. TOTAL DEPTH, MD		LUG, BACK T.D.		D   22. IF	MULTIPLE CO	GR 69	23. INTERV	ALS I	OTARY TOO	LS	CABLE TOOLS
17,020'		101		ļ	*YAAK WO	·	DRILLE	DBY	•	. [	
24. PRODUCING INTE	ERVAL(8), OF TH	S COMPLETIO	N-TOP, B	OTTOM, NAM	E (MD AND	TVD)•	:			25.	WAS DIRECTIONAL SURVEY MADE
10,986-12,1	03 Green R	liver For	rmatio	n							NO.
26. TIPE ELECTRIC	AND OTHER LOGS	BRUN	<u> </u>	<del></del>	· · · · · · · ·				<del></del>	27. WA	S WELL CORED
	tlas Spec.	, C/O, N	NLL, Fi	raclog							no
28.	WEIGHT, LE	s./FT.   DE	CASING PTH SET		(Report all si	trings set in		TING REC	OPD		· · · · · · · · · · · · · · · · · · ·
				-			CESTER	TING REC			AMOUNT PULLED
			-		•	[				-	
-											
29.	<del></del>	LINER RE	CORD				30.	מיזת	ING RECO	PD	
BIZE	TOP (MD)	BOTTOM (		CKS CEMEN	T SCREEN	N (MD)	SIZE	<del>- ,</del>	H SET (MI		PACKER SET (MD)
31. PERFORATION RE-	CORD (Interval,	ize and num	ber)		<u> </u>						
•				•	32.	ACII I INTERVAL	O, SHOT, FI				EZE, ETC.
See attacl	hed			•	·		-				
						4.					
							<u> </u>				
33.					RODUCTION		<u>··</u>	-		<del></del>	<u> </u>
Mar. 15/84					<i>t, pumping</i> — jet pump		e of pump)		well s	2	(Producing or roducing
Mar. 15/84	HOURS TESTED		inch	PROD'N. FOR			GAS-MCF.		ater—bbl. 14	GA.	AS-QIL BATIO
FLOW. TUBING PRESS.	CASING PRESEC		ATED B RATE	OIL—BBL. 223		N.R.		TER-BBC NIL	;		VITY-API (CORR.)
34. DISPOSITION OF GUILD USED FOR	As (Sold, used for fuel - e)	r fuel, vented	1, etc.) 1d to	Shell	1		11		l sr wirness Ken Al	SED BY	
35. LIST OF ATTACH	ments gical brea	akdown o	f comp	letion	procedur	·e	<del></del>		-		
36. I hereby certify							etermined f	rom all a	vallable re	cords	
SIGNED	Tindale	enta	<u>C</u>		Geolog				DATE		·il 18/84
			<del></del>						• .		



If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments or both, pursuant to applicable Federal and the laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions. should be listed on this form, see item 35.

item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State

or Federal office for specific instructions.

Hem 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Hems 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval. Hem 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool. [See instruction for items 22 and 24 above.]

57. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF DEPTH INTERVAL TESTED, CUSH	ROUS ZONES: RIANT ZONES OF PO TESTED, CUSSION	DROSITY AND CONTEN USED, TIME TOOL OF	MARX OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THERROF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIBS	38. GEOLOG	Geologic markers	
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.		TOP	
2000					MEAS. DEPTH	TRUB VERT. DEPTE
Formation	10,917	11,221	swabbed, cleaned up, flowed to surface	Lower Green River Formation	11,330	-4,352
	11,321	11,863		(log top)		
	11,863	12,155		Wasatch Red Beds (sample	13,086	-6,108
					•	
		•			٠	
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		·			;	7

Recompletion Report on the Wilkins 1-24A5 Well Sec. 24, T1S R5W, Duchesne County, Utah

Mar 3-4/84 MIRU Western Rig #12. Pull 2-7/8" & 2-3/8" tubing.

Mar 5-7 Log interval 11,000 to 12,300* with Dresser Altas: carbon/oxygen log, Spectralog, Fraclog, Neutron Lifetime Log.

Mar 8 Perforate with Oil Well Perforators: 4 runs with 4" casing guns:

12,094-12,103	9 feet	11,498-11,502 4 feet
12,006-12,010	4	11,481-11,488 7
11,979-11,982	· 3	11,394-11,401 7
11,969-11,973		11,099-11,109 10
11,892-11,900	8	11,056-11,066 10
11,887-11,890	3	11,039-11,046 7
11,818-11,822		11,010-11,014 4
11,808-11,811	3	10,998-11,002 4
11,710-11,715	5	10,986-10,990 4
11,584-11,587	3	Total 103' @ 2SPF = 206 holes

- Mar 9 Isolate zone 11,221 to 10,917 with plug and packer. Swabbed 70 bbls fluid, 20% oil. Move plug 11,863, packer 11,321. Swabbed 85 bbls, 30% oil.
- Mar 10 Flowed well back 2 hours, 27 bbls oil. Swabbed 18 bbls oil. Killed well. Move plug to 12,155, packer to 11,853. Swabbed 105 bbls, 50% oil.
- Mar 11 Flowed well back one hour, 6 bbls oil. Moved plug to 11,221, packer to 10,900. Swabbed 100 bbls fluid, 60% oil.
- Mar 12,13 Well flowed at 6 bbls/hr. Kill well. POOH. RIH with packer, dual string pump cavity, 2-7/8" tubing, set packer @ 10,898'. Run 2-3/8" side string. Circulate hole with triplex.
- Mar 14,15 Release Western Rig #12. Drop bottom hole jet pump. Produced 276 bbls fluid in 18 hrs, 162 oil, 114 water.
  Well on production 2:00 pm March 15, 1984.
- Mar 16-19 4 days pumping made 899 bbls oil average 225 bbls/day. No water.

RECEIVED

N 8 1984

DIVISION OF OIL GAS & MINING

#### AFE management limited

372 BAY STREET, SUITE 208. TORONTO, ONTARIO M5H 2W9 (416) 366-4257

June 1, 1984

State of Utah Natural Resources 4241 State Office Building Salt Lake City, Utah U.S.A.

ATTENTION: CLAUDIA JONES

Dear Ms. Jones:

RE:

WILKINS 1-24A5 WELL, Sec. 24, T1S R5W, Duchesne Co., Utah API #43-013-30320, 927' FNL, 1580' FEL

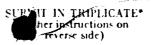
Please find enclosed the completed copy of the "Well Completion or Recompletion Report and Log" as requested in your letter of May 15, 1984. Included also is a copy of our covering letter and a self-addressed envelope for your return. Thank you for bringing this to our attention.

Sincerely,

Janet W. Bloemendal, Geologist

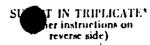
JWB:des **Enclosures** 

# STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OUR GAS AND MINING



U	DIVISION OF OIL, GAS, ANI		5. LEASE DESIGNATION	AND BRRIAL NO.
	NOTICES AND REPOR		6. IF INDIAN, ALLOTTES	OR TRIBE HAME
OIL WELL D	OTHER	.,	7. UNIT AGREEMBNT NA	MB
2. HAMB OF OPERATOR	VIELE		8. FARM OR LEASE NAM	(1)
AFE Management	Inc.		Wilki	ns
S. ADDRESS OF OPERATOR			9. WELL NO.	
372 Bay St. Sui	te 208, Toronto, On	tario, Canada M5H 21	W9 = 1-24-A5	
4. LOCATION OF WELL (Report See also space 17 below.) At surface	location clearly and in accordance wit	h any State requirements.	10. FIELD AND POOL, O	R WILDCAT
	' FNL 1580' FE1		Altamont 11. SEC., T., E., M., OR B SURVEY OR AREA	LE. AND
_			Sec 24, T1S	
14. PERMIT NO.	15. BLEVATIONE (Show when		12. COUNTY OR PARISH	1
43-013-30320	6957' G	K	Duchesne	Utah
16. CI	heck Appropriate Box To Indice	ate Nature of Notice, Report, o	r Other Data	
NOTICE	OF INTENTION TO:	#UB4	SEQUENT REPORT OF:	£
TRET WATER SHUT-OFF	PULL OR ALTER CASING	WATER SHUT-OFF	REPAIRING V	ABLL
PRACTURE TREAT	MULTIPLE COMPLETE	FRACTURE TREATMENT	ALTERING CA	
SHOOT OR ACIDIZE	ABANDON®	BHOOTING OR ACIDIZING	X ABANDONMEI	" <del>"</del>
REPAIR WELL	CHANGE PLANS	(Other)	ults of multiple completion	on Well
(Other)		Completion or Reco rtinent details, and give pertinent da e locations and measured and true ver	mpletion Report and Log to	rm.)
a silt sušp	ender, iron sequest	O barrels of 1% ace rant and corrosion with 70 bbls water.	inhibitor.	
Swabbed w	ell back and placed	on production.	- 보호경화제 명 경소 - 조수호수의 최 기관	
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18. I hereby certify that the fo	oregoing is true and correct		<u> </u>	9
BIGNED 1150		Agent for AFE Manag	ement DATE 10-1	-84
(This space for Federal or				
from shace you a course or			The state of the s	
CONDITIONS OF APPRO	VAL. IF ANY:		DATE	;

# DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING



	OF OIL, GAS, AND		Γ	S, LEABE DESIGNATION AND SERIAL NO.
SUNDRY NOTICE (Do not use this form for proposals to the "APPLICATION")	S AND REPORT of drill or to deepen or plan for permit—" for su	S ON WELLS	volr.	6. IF INDIAN, ALLOTTER OR TRIBE NAM:
1. OIL X GAB		, the Ohli VII D	-	7. UNIT AGREEMENT NAME
2. NAME OF OPERATOR	· · · · · · · · · · · · · · · · · · ·	SEP 0 3 1985		8. FARM OR LEASE NAME
AFE Management Limited	• . • • • • • • • • • • • • • • • • • •		1	Wilkins
3. ADDRESS OF OPERATOR 208-372 Bay St., Toronto		CAND OF BUILDING		9. WHIL NO. 1-24A5
<ol> <li>LOCATION OF WELL (Report location clearly See also space 17 below.)</li> </ol>	and in accordance with	any State requirements.		10. FIELD AND POOL, OR WILDCAT
NW4NE4, Section 24, T1S 927' FNL, 1580' FEL	R5W, USM			Altamont  11. BEC., T., E., M., OR BLK. AND SURVEY OR AREA
•				Sec: 24 T1S R5W USM
4. PERMIT NO. 15.	6957 GR (Show whethe	r DF, RT, GR, etc.)	<u> </u> -	12. COUNTY OR PARINH 18. STATE
43-013-30320	695/ GR			Duchesne Utah
3. Charl Annua	vista Ray Ta Indiant	Nature of Notice, Rep	Oak	Data
NOTICE OF INTENTION		t tadinis of tablics, wel		T REPORT OF:
. г—			EOPEEGOS.	` .
	OR ALTER CASING	WATER SHUT-OFF	$\vdash$	REPAIRING WELL
<del>-</del>	PLE COMPLETE	FRACTURE TREATM	——————————————————————————————————————	ALTERING CASING
	<del> </del>	SHOUTING OR ACI	DIZINO	ABANDONMENT*
(Other)	E PLANS	(Other) (Nore: Rep	ort results of	multiple completion on Well
DESCRIBE PROPOSED OR COMPLETED OPERATION proposed work. If well is directionally	is (Clearly state all perti			on Report and Log form.) cluding estimated date of starting an
10,900'- 11, Each interval will be is 7½% HCl and balls. Each	200' 46 feet o 550' 57 feet o olated and trea stage will be	f total perforati f total perforati ted separately wi	ions ions ith 5,000	gallons of
putting the well back on	pump.			
	,			
•	•			
				•
	•			
•	•			
•		•		
I hereby certify that the foregoing is true	and correct			•
BIGNED Miss J. Bloemendal	TITLE _	Geologist		DATE August 28/85
(This space for Federal or State office use)				
APPROVED BY	TITLE			DATE
	_			

Comp, 10-30-Zados ajohoai asoajd. Jahojo
Wasalch Formation
76 reomplets in Wasalch
Taken over by AFF management
12/81

3/15/84
Recomplet Green P,

3/11/75 Comp. Wasatch 1/76 Recomp. Wasatch 3/84 Recomp. G. River

Currently prod. from Cr. River only.



#### AFE management limited

372 BAY STREET, SUITE 208, TORONTO, ONTARIO M5H 2W9 (416) 366-4257 DIVISION OF OIL. GAS & MINING

May 13, 1986

State of Utah Natural Resources 355 West North Temple 3 Triad Center, Suite 350 Salt Lake City, Utah 84180 U.S.A.

ATTENTION: NORM STOUT

Gentlemen:

RE:

DUCHESNE COUNTY, UTAH

Josie 1-3B5 (Section 24, T1S R5W)
Josie 1-3B5 (Section 3, T2S R5W)

As of May 2, 1986, AFE Management Limited has sold its entire interest in the above-captioned wells to TCPL Resources U.S.A. Ltd., 216-16th St., Suite 1100, Denver, CO, 80202. All future correspondence on these wells must be forwarded to them.

If you have any further questions, please contact us.

Yours truly,

Miss Janet Bloemendal, Geologist

JWB:deb

cc: Mari Snyder, TCPL

## AFE management limited

372 BAY STREET, SUITE 208. TORONTO, ONTARIO M5H 2W9 (416) 366-4257

June 18, 1986



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State of Utah
Division of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
U.S.A.

ATTENTION: MS. ARLENE SOLLIS

Gentlemen:

RE:

CERTIFICATE OF DEPOSIT Wilkins 1-24A5 Well Duchesne County, Utah

Reference is made to your letter of June 4, 1986, to Mr. Robert Holt of Larsen, Kimball, Parr & Crockett regarding AFE's interest in the captioned well.

This letter shall confirm, as stated in the Settlement Agreement dated May 2, 1986, between TCPL Resources U.S.A. Ltd. and AFE Management, that TCPL has taken over as Operator on the following wells:

Josie 1A-3B5 Wilkins 1-24A5 White Mule Springs 14-5 Josie 1-3B5 Walker 2-24A5 White Mule Springs 21-7

In addition, as stated in the said Settlement Agreement, and Assignment and Bill of Sale and Conveyance (a copy of which was sent to you by TCPL May 16, 1986), AFE specifically assigned all of its bonds and any collateral associated therewith to TCPL.

This letter shall authorize you to take any action necessary to deliver such bonds and any collateral securing such bonds including, without limitation, that Certificate of Deposit in the amount of \$10,000.00 to TCPL Resources U.S.A. Ltd.

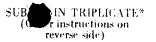
If you have any questions, please advise. Thank you for your immediate attention to this matter.

Yours truly,

Edward W. Wenger, President

cc: Mari Snyder

# STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING



2

DIVISION OF OIL, GAS, AND MINING	5. LEASE DESIGNATION AND SERIAL NO.
	743-013-30320 FEE
SUNDRY NOTICES AND REPORTS ON WELLS  (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  Use "APPLICATION FOR PERMIT—" for such proposals.)	6. IF INDIAN, ALLOTTES OR TRIBE NAME
OIL GAS OTHER OTHER	T. UNIT AGREEMENT NAME
2. NAME OF OPERATOR	S. FARM OR LEASE NAME
TCPL Resources U.S.A. Ltd. MAY 27	1000 Wilkins
3. ADDRESS OF OPERATOR 216 16th Street, Suite 1100, Denver, Colorado 80202	9. WELL NO.
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)	1-24A5 10. FIELD AND POOL, OR WILDCAT
See also space 17 below.) At surface OIL, GAS &	WEEFEREENSEW
	Altamont 11. SEC., T., B., M., OR BLK. AND
927' FNL & 1580' FEL, NW/4 NE/4 Section 24-T1S-R5W, U.S.B. AM	Section 24-T1S-R5W U.S.B
14. PERMIT NO.   15. ELEVATIONS (Show whether DF, RT, GR, etc.)	AM
43-013-30320 6957 GR	Duchesne Utah
O O O O O O O O O O O O O O O O O O O	
Check Appropriate Box To Indicate Nature of Notice, Report,	or Other Data
NOTICE OF INTENTION TO:	BEEQUENT REPORT OF:
TIST WATER SHUT-OFF PULL OR ALTER CASING WATER SHUT-OFF	REPAIRING WELL
FRACTURE TREAT  MULTIPLE COMPLETE  FRACTURE TREATMENT  SHOOT OR ACIDIZE  ABANDON®  SHOUTING OR ACIDIZING	ALTERING CASING
SHOOT OR ACIDIZE ABANDON* SHOOTING OR ACIDIZING REPAIR WELL CHANGE PLANS (Other)	ABANDONMENT*
(Other) Change of Openators V (Note: Report re	sults of multiple completion on Weil
Toronto, On to: TCPL Resour 216 16th St	ent Limited eet, Suite 208 tario, Canada M5H 2W9 ces U.S.A. Ltd. reet, Suite 1100 orado 80202
8. I hereby certify that the foregoing is true and correct  SIGNED OWEN L. Stone  (This space for Federal or State office use)  APPROVED BY TITLE CONDIL. YS OF APPROVAL, IF ANY:	DATE

#### DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder of lease

DISTRICT LAND OFFICE:

SERIAL NO.:

Duchesne County Office

DIVISION OF OIL. GAS & MINING

and hereby designates

TCPL Resources U.S.A. Ltd. 216-16th St., Suite 1100

NAME: ADDRESS:

Denver, CO 80202

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Operating Regulations with respect to (describe acreage to which this designation is applicable):

> Wilkins 1-24A5 Section 24, T1S R5W (NW\(\frac{1}{2}\)NE\(\frac{1}{2}\) Duchesne County, Utah

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the supervisor of any change in the designated operator.

AFE Management Limited

(Signature of lessee)

Edward W. Wenger, President

208-372 Bay St., Toronto, Ontario

CANADA M5H 2W9

(Address)

June 18, 1986

U.S. GOVERNMENT PRINTING OFFICE : 1978 0 - 277-141

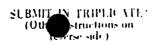
# TE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING



	DIVISION OF NATI			_	5. LEASE DESIGNATION	IND BERIAL NO.
	DIVISION OF OIL, GA	S, AND MI	NING	İ		GRPU
		-		-	6. IF INDIAN, ALLOTTE	
SUNDRY	NOTICES AND R	EPORTS	DKY WELLS"""	3)	0217	10
(Do not use this form to	or proposals to drill or to d APPLICATION FOR PERMI	eepen of flug.	sci to a different reservoi		UZII	(* O
•		18/1	1 2 1000	. 10 / M i _	7. UNIT AGREEMENT NA	MB
OIL WELL O	NEODO WESS	ely Energi	FEB 12 1988			
. NAME OF OPERATOR			DIVISION OF		S. FARM OR LEASE NAM	48
Badger Oil Co	rporation $N \Gamma_0$	180	OIL GAS & MINING		Wilkins	
. ADDRESS OF OFSEATOR	- 1007 B				). WELL NO.	
	5, 1001 Pinhook,	•	•		1 - 24 10. FIELD AND POOL, 01	
LOCATION OF WELL (Report lo See also space 17 below.)	ocation clearly and in accord	iance with any	State requirements.	'	-	R WILDCAT
At surface					Altamont	LE. AND
NW NE (927' FI	NL & 1580' FEL) S	ection 24	, T1S, R5W		SURVET OR AREA	
					Sec. 24, T	1S. R5W
. PERHIT NO.	iš, blavations (	bow whether of	7, 27, 02, etc.)		2. COUNTY OR PARIEN	
42 012 20220	60571	Unamadad	Canarand	İ	Duchesne	UT
43-013-30320		Ungraded			_	, <u></u>
6. Ch	eck Appropriate Box T	o Indicate N	lature of Notice, Repo			
NOTICE	: סד אסודאבדאו קס			AUBESURN	T AMPORT OF:	
TEST WATER SHUT-OFF	PULL OR ALTER CASE	MO O	WATER SHUT-OFF		REPAIRING W	FELL
PRACTURE TREAT	MULTIPLE COMPLETE		PRACTURE TREATME	NT	ALTERING CA	ONIE
SHOOT OR ACIDIZE	ARANDON®		SHOUTING OR ACIDIZ		ABANUONMEN	T*
REPAIR WELL	CHANGE PLANS		(Other) _ Change	ze of O	multiple completion	n Well
(Other) 7. DESCRIBE PROPOSED OR COMPLE			Completion of	Recompleti	on Report and Log for	101.)
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Annlie	d Drilling Service	res. Inc.				
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18. I hereby pertify that the for	regolar is true and correct	1	1 5 1 0	10		/
	And.	TITLE	ut Belie at	( Ceny	DATE 2/1/	188
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CUMPLE. 'S OF APPROV.	al, if ant:					

We are pleased to announce that effective immediately TCPL Resources U.S.A. Ltd. has changed its name to Wessely Energy Company.
The address and phone number will remain: 216-16th Street, Suite 1100, Denver, Colorado, 80202, (303) 629-7766.

# DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL GAS AND MINING



DIVISION OF OIL, GAS, AND MINING	5. LEASE DESIGNATION IND SERIAL NO.
SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  Use "APPLICATION FOR PERMIT—" (or such proposals.)	6. IF INDIAN, ALLOTTER OR TRIBE NAME
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2. NAME OF OPERATOR  Badger Oil Corporation  DEC 12 1990	ADWARM OR LEASE NAME
Badger Oil Corporation	All Badger Wells
Rt. 3 Box 3011, Roosevelt, Utah 84066	Cas Dalas
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements, See also space 17 below.)	10. FIELD AND POOL, OR WILDCAT
At surface	Bluebell
See Below	11. SSC., T., S., M., OR SLE. AND SURVEY OR ASSA
14. PERMIT NO.   15. BLEVATIONS (Show whether or, RT, GR, etc.)	12. COUNTY OR PARISM! 18. STATE
	Duchesne/Uintah Utah
Check Appropriate Box To Indicate Nature of Notice, Report, or O	ther Data
NOTICE OF INTENTION TO:	ENT ASPORT OF:
TEST WATER SEUT-OFF PULL OR ALTER CASING WATER SHUT-OFF	REPAIRING WELL
FRACTURE TREAT MULTIPLE COMPLETE FRACTURE TREATMENT	ALTERING CASING
SHOOT OR ACIDIZE ARANDON® BROUTING OR ACIDIZING Water Dispos	sal ABANDONHENT*
REPAIR WELL CHANGE PLANS (Other)	of multiple completion on Well
(Other)  (Completion or Recomple  17. DESCRIBE PROPOSED ON COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates.)	tion Report and Log form.)
4. & 8. Eula Ute 1-16Al, Gusher 2-17Bl, Bradley 1-23Al, Fr Perfect Ten 1-10Al, Sam H.U. Mungus 1-15Al, Bisel Maximillian Ute 1-14A3, Mr. Boom Boom 2-29Al, H.E. Josie 1A-3B5, Walker 2-24A5, Wilkins 1-24A5.	Gurr 1-11A1, Mann 2-28Z2,
Badger Oil Corporation requests permission to dispose of ou water into R.N.I., R.N. Industries Brine Water Disposal, Se T2S, R2W, Duchesne County, Utah.	
Accepted by the State of Utah Division of Oil, Gas and Mining Date: (2-13-96)  By:	
18. I hereby certify that the foregoing is true and correct  BIGNED COLLEGE TITLE Sup.	12/201990
(This space for Federal or State office use)	
APPROVED BY TITLE	DATE

	UNITED STATES	SUBMIT IN TRIPLICATES (Other Instructions on re-	Budget Bureau No. 1004-0135 Expires August 31, 1985 5. Lease Designation and Serial No.
SUNDRY NOT	ICES AND REPORTS	ON WELLS	6. IF INDIAN, ALLOTTEE OR TEIRE NAME
Use "APPLICA	agis to drill or to deepen or plug ATION FOR PERMIT—" for such	; back to a different reservoir, propossis.)	7. UNIT AGREEMENT NAME
WELL WELL OTHER			S, FARM OR LEASE HAME
2. NAME OF OPERATOR  Badger Oil Corpora	tion		Wilkins
3. ADDRESS OF OPERATOR	CLOIL		9. WRLL NO.
•	osevelt, Utah 84066		1-24A5
<ol> <li>LOCATION OF WELL (Report location of See also space 17 below.)</li> <li>At surface</li> </ol>	10. FIELD AND POOL, OR WILDCAT Altamont		
SE NW:NE 927' FNL T1S R5W	1580' FEL Section	24	Sec. 24, TIS, R5W
	i 15. ELEVATIONS (Show whether D	OF RT CR etc.)	12. COUNTY OR PARISH   13. STATE
43-013-30380	GR 6957'		·Duchesne Utah
16. Check Ap	propriate Box To Indicate I	Nature of Notice, Report, or O	ther Data
NOTICE OF INTEN	TION TO:	BURARQUE	INT ESPORT OF:
TEST WATER BEUT-OFF	PELL OR ALTER CASING	WATER SHUT-OFF	REPAIRING WELL
	MULTIPLE COMPLETE	FRACTURE TREATMENT	ALTERING CASING
	ABANDON*	SHOOTING OR ACIDIZING	ABANDONMENT*
REPAIR WELL (Other)	HANGE PLANS		of multiple completion on Weil tion Report and Log form.)
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11,613' - 19' 11,541' - 45'	•		
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11,385' - 90'	•		
11,268' - 72'			DIVISION OF
11,174' - 82' 11,026' - 30'	•		OIL GAS & MINING
18. I hereby certify that the foregoing is	true and correct	APPROVED B OF UTAH D OIL, GAS, A DATE:	ivision of
SIGNED COLUMN	rlan TITLE	experiolendent	DATE 9-04.91
(This space for Federal or State offic	e tipe)		•
APPROVED BY	TITLE		DATE

*See Instructions on Reverse Side

## STATE OF UTAH



	TMENT OF NATURAL RE			
DIVI	SION OF OIL, GAS, AND	MINING	5. LEASE DESIGNATION	N AND BERIAL NO.
SUNDRY NO	TICES AND REPORTS	ON WELLS	6. IF INDIAN, ALLOTT	B# UK 18182
(Do not use this form for pro	possis to drill or to deepen or plication for PERMIT—" (or sue	us back to a different reservoir.	·	. ,
1.	TOTALION FOR FEMALE— LOP NO.	ra hishotefe')	7. UNIT AGESMENT M	ME
WELL A WELL OTHER			,, , , , , , , , , , , , , , , , , , , ,	<del></del>
2. NAME OF OPSEATOR			S. FARM OR LEASE NA	.xx
Badger Oil Corporation	on	W)	Wilkins	
3. ADDRESS OF OFSEATOR			9. WELL NO.	<del></del>
Rt. 3 Box 3011, Roose	velt, Utah 84066	··· <b>*</b>	1-24A5	-
<ol> <li>LOCATION OF WELL (Report location See also space 17 below.)</li> </ol>	clearly and in accordance with	any State requirements.*	10. FIELD AND POOL,	OR WILDCAT
At surface			Altamont	
OR NE NE 0271 ENE	75001 FFT G	,	11. SEC., T., R., M., OR SURVEY OR ARE	BLM. AND A
SE NW NE 927' FNL T1S R5W	1580' FEL Section 2	.4	Section 24,	ייז כ סו <i>דו</i>
	11. SLEVATIONS (Show whether		12. COUNTY OR PARISI	
43-013-30320	GR 6957'	F DF. RT. GR. (14.)	Duchesne	Utah
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REPAIR WELL	CHANGE PLANS	(Other)		- Vail
(Other)		('ampletion or Re	esults of multiple completion completion Report and Log fo	(FEE.)
17. DESCRIBE PROPOSED OR COMPLETED OF proposed work. If well is direct	PERATIONS (Clearly state all perti	nent details, and give pertinent of continue and true v	dates, including estimated dat vertical depths for all marker	te of starting any is and zones perti-
nent to this work.)				
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Perforate zones	, 35 pf with $3-1/8$ c	asing guns		
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11,613' - 19'				
11,541' - 45'	•			•
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11,026' - 30'			the story days come promite.	
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	- DATE:	9/12/9/ 5	<u>P 1 0 (1991</u>	
	BY:	JAY nutreus		
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_		Oil	Bas & Mining	•
18. I hereby centify that the foregoin	g is true and correct	<del></del>		
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CUSTOMER COPY

INVOICE

HALLIBURTON LOGGING SERVICES,INC.

A Halliburton Company HOUSTON, TEXAS 77242-2800

REMIT TO:

P.O. BOX 951046 DALLAS. TX 75395-1046

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BADGER OIL CURP ROUTE #3, BOX 3011 : ROOSEVELT, UT 84066 DIRECT CORRESPONDENCE TO:

HALLIBURTON LOGGING SERVICES 410 17TH STREET SUITE 920 DENVER, CO 80202-4410

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#### BADGER OIL CORPORATION WILKINS 1-24A5

08/20/91 (Day #1) Move in, rig up service unit. Nipple down wellhead, nipple up BOPs. Unsting 2-3/8" sidestring. Pull out of hole with 177 joints 2-3/8" 8rd tubing, 174 ACME 8 and National stinger. Change trip equipment. Run in hole with sandline. Shear standing valve, release Arrowset 1 packer at 10,865'. Pull out of hole with 336 joints 2-7/8" CS Hydril tubing, five joints 2-7/8" 8rd tubing, National dual string cavity, one joint 2-7/8" 8rd tubing, 7-5/8" Arrowset packer and two joints 2-7/8" 8rd tubing. Secure for night. Daily Cost-\$3,154.

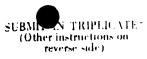
08/21/91 (Day #2) Pick up 6.5" mill and 7-5/8" casing scraper. Run in hole to 12,970', encountered slight scale build up. Circulate clean. Pull out of hole, hang down 2-7/8" PH6. Continue out of hole, laying down mill and scraper. Daily Cost-\$3,915. Cume Cost-\$7,069.

08/22/91 (Day #3) Rig up Halliburton Logging Service. Perforate 3 spf with 4" casing guns: 11026-30; 11174-82; 11268-72; 11385-90; 11444-50; 11481-88; 11541-45; 11613-19; 11744-52; 11834-39; 171 holes, 57'. Rig down Halliburton Logging Service. Pick up, run in hole with two joints 2-7/8" EUE tubing, 7-5/8" Arrowset 1 packer, one joint 2-7/8" EUE tubing, National dual string cavity, five joints 2-7/8" tubing and 336 joints CSS hydrill tubing. Set packer at 10,865' with 3000# tension. Drop standing valve, pump to seat. Pressure test to 1000#. Secure for night. Daily Cost-\$14,960. Cume Cost-\$22,029.

08/23/91 (Day #4) Change trip equipment to 2-3/8". Make National Sting. Run in hole with 2-3/8" sidiestring, 177 2-3/8" 8rd tubing and 174 joints ACME 8 buttress. Space out sidestring with 6000# compression. Nipple down BOP, nipple up wellhead. Pressure test to 3500#. Circulate 50 bbls formation water down 2-7/8". Drop pump PL1 and pump to cavity. Daily Cost-\$3,296. Cume Cost-\$25,325.

08/24/91 (Day #5) Well down on high discharge. Restart and reset pressure. Rig down, move out service unit and equipment. Daily Cost-\$932. Cume Cost-\$26,257.

### STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES



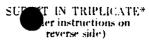
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## STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OUR GAS AND MINISTER



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OIL A DAS OTWER		7	1. UNIT AGRESMENT HAME		
2. NAME OF OPERATOR		- 67	S. FARM OR LEASE HAME		
Badger Oil Corporation		<i>~\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\ightarrow\igh</i>	Wilkins		
3. ADDRESS OF OPPRATOR			9. WELL NO.		
Rt. 3 Box 3011, Rooseve			1-24A5		
4. LOCATION OF WELL (Report location cle See also space 17 below.)	arly and in accordance with any	State requirements."	10. PIELD AND POOL, OR WILDCAT		
At surface	-		Altamont		
SE NW NE 927' FNL 158	80' FEL Section 24		11. SEC., T., E., M., OS SEE. AND SURVEY OR AREA		
TIS R5W	50 FEL Section 24	•	Section 24, TlS, R5W		
14. PERKIT NO.	il. BLEVATIONS (Show whether DF.	30 (3), etc.)	12. COUNTY OR PARISH 18. STATE		
43-013-30320	GR 6957'	(m 4m)	Duchesne Utah		
16. Charle Ann	propriate Box To Indicate N	ature of Netter Papart or C	Other Data		
HARRIN GO EDITOR	•		UBST ASPORT OF:		
	<del></del>				
<del></del>	ILL OR ALTER CASING	WATER ENUT-OFF	REPAIRING WELL		
T = 1	CLTIPLE COMPLETE	PRACTURE TREATMENT	ABANUONMENT°		
	IANDON*	(Other)			
REPAIR WELL CE	IANGE PLANS	Money Pannet Pennits	of muitiple completion on Well letion Report and Log frem.)		
17. DESCRIBE PROPOSED OR COMPLETED OPER. proposed work. If well is direction	ATIONS (Clearly state all pertinent	details, and give pertinent dates	including estimated date of starting any		
Perforate zones, 3  11,834' - 39'  11,794' - 02'  11,613' - 19'  11,541' - 45'  11,481' - 88'  11,444' - 50'	35 pf with 3-1/8 casi	ing guns	DEC 1 0 1991  DIVISION OF		
11,385' - 90' 11,268' - 72' 11,174' - 82' 11,026' - 30'		•	OIL GAS & MINING		
	OF UT	DIVIS	LO 1991 ION OF & MINING		
18. I hereby certify that the foregoing is	true and correct		9-691		
SIGNED XXXIII	TITLE		DATE		
(This space for Federal or State office	) A86)				
APPROVED BY CUMMIA. "S OF APPROVAL, IF A	NT:		DATE		

# STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OUR GAS AND MINING



	MENT OF NATURAL RESO ON OF OIL, GAS, AND M		5. LEASE DESIGNATION	AND RESIAL NO.
SUNDRY NOT (Do not use this form for propose Use "APPLICA	ICES AND REPORTS als to drill or to deepen or plug TION FOR PERMIT—" for such;	ON WELLS back to a different reservoir.	6. IF INDIAN, ALLOTTEE	OR TRIBE NAME
1.			7. UNIT AGREEMENT NA	MS
WELL WELL XX OTHER				
Badger Oil Corporation			8. FARM OR LEASE NAM Wilkins	8
3. ADDRESS OF OFSEATOR	Rt. 3 Bo	× 3010	9. WELL NO.	
C/O Applied Drilling Ser	rvices, Inc. Roosevel		1-24A5	
4. LOCATION OF WELL (Report location of See also space 17 below.) At surface	early and in accordance with any	State requirements.*	10. FIELD AND POOL, OF	WILDCAT
	30' FEL Section 24		11. SEC., T., E., M., OR E. SURVEY OR AREA	LE. AND
TIS R5W		•	Sec. 24, T1S	, R5W
14. PERMIT NO.	15. BLEVATIONS (Show whether DE	r, RT, GR, etc.)	12. COUNTY OR PARISH	
43-013-30320	GR 6957'		Duchesne	Utah
16. Check Ap	propriate Box To Indicate N	Nature of Natice, Report, or C	Other Data	
NOTICE OF INTENT			UENT REPORT OF:	
TIST WATER SHUT-OFF P	ULL OR ALTER CASING	WATER SHUT-OFF	REPAIRING W	ELL
FRACTURE TREAT	ULTIPLE COMPLETE	FRACTURE TREATMENT	ALTERING CA	BING
SHOOT OR ACIDIZE	BANDON*	SHOUTING OR ACIDIZING	ABANDONMEN	r•
	HANGE PLANS	(Other) Report results	of multiple completion o	
(Other)  17. DESCRIBE PROPOSED OR COMPLETED OPER proposed work. If well is direction		Completion or Recomp	letion Report and Log fort	n.)
without losing flu				
We hereb	oy apply for credit f	or this workover under	нв110.	•
			•	
				•
	\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	ovad by the a <b>RE</b>	GBILA ELL	<b>.</b>
·	OI.,	UTAH BIVISIOLUS. . GAS, AND VIII INIGN	10V 2 4 1992	
	Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Con	Jer Vittleyer	DIVISION OF	
•		·	GAS & MINING	
18. I hereby certify that the foregoing is	true and correct		· · · · · · · · · · · · · · · · · · ·	
SIGNED Cary Smith b	y The TITLE	·	DATE 11/10	19.2
(This space for Federal or State office	use)			
APPROVED BY	TITLE		_ DATE	
CUMPILA, 13 UP AFFRUTAM, 15 AN	· • •			

#### WILKINS 1-24A5 October 20, 1992

10/20/92 MIRUSU. SDFN	
Hot Oiler/Trucking	\$0
Rental (BOP)	\$0
Rig	\$477
Supervision	\$200
Trucking =	\$155
Other	\$0
Contingency	\$42
Daily total	\$874
Cume. Total:	\$874

10/21/92 Nipple down wellhead. Inspect tubing hangers and replace "D" rings. Hangers and bowl in good shape however hangers are not correct for bowl. Pressure test both strings of tubing, fluid began to come up backside. Nipple up BOP. Drop ball down 2 3/8" tubing and attempt to pressure test. Pump 55 bbl of water, well circulating at 700 psi. POOH with 88 stds 2 3/8" 8 rnd. SDFN.

Hot Oiler/Trucking	\$420
Rental (BOP)	<b>\$</b> 135
Rig	\$2,099
Supervision	<b>\$</b> 450
Trucking	\$155
Other	\$0
Contingency	\$163
Daily total	\$3,422
Cume. Total:	\$4,296

10/22/92 POOH with 175 jts Acme 8, 2 3/8" sidestring and stinger. Stinger did not show any definite signs of fluid bypass. RU Delsco and fish pump through heavy oil. Pump 35 bbl hot production water to clean tubing. Pump dummy pump to bottom and pressure test 2 7/8" tubing to 3,000 psi, good test. Fish dummy pump, RIH and punch SV.

Hot Oiler/Trucking	\$595
Rental (BOP)	\$135
Rig	\$1,778
Supervision	\$450
Trucking	\$552
Other	\$810
Contingency	\$213
Daily total	\$4,478
Cume. Total:	\$8,774

10/23/92 Release packer and POOH with 200 jts. Heavy drag with packer, pump 150 bbl to flush hole. Continue to POOH with 136 jts CS - Hydril, 5 jts 2 7/8" 8 rnd, National dual cavity, 1 jt 2 7/8" 8 rnd, Arrowset I and 2 jts 2 7/8" 8 rnd tail pipe. LD packer and cavity. RIH with 2 jts, replacement Arrowset I, 1 jt 8 rnd, National dual string cavity (rebuild) and 2 jts 8 rnd. Rig hydraulic pump failed. SDFN. Old National cavity did not test.

Hot Oiler/Trucking \$0 Rental (BOP) \$135 Rig \$1,498 Supervision \$450 Trucking \$0 Other \$0 Contingency \$104 Daily total \$2,187 Cume. Total: \$10,961

10/26/92 Repair hydraulic system. RIH with 318 jts 2 7/8", broach tubing every 40 jts. SDFN.

Hot Oiler/Trucking	\$0
Rental (BOP)	\$135
Rig	\$1,100
Supervision	\$250
Trucking	\$0
Other	\$0
Contingency	\$74
Daily total	\$1,559
Cume. Total:	\$12,520

10/27/92 RIH with 2 7/8" tubing. Set MSOT Arrowset I packer at 10,831' with 10,000 lbs. tension. Pump 30 bbl production water, drop SV and circulate 300 bbl to treater to clean hole. PU National stinger and RIH with 2 3/8" side string and land with 6,000 lbs compression. Nipple down BOP, redress wellhead, pressure test to 3,500 psi. Pressure test tubing and cavity to 2,500 psi, all ok. Circulate well to heat. RDMOSU next am.

Hot Oiler/Trucking	\$0
Rental (BOP)	\$135
Rig	\$2,293
Supervision	\$450
Martaco	\$1,000
Other	\$0
Contingency	\$194
Daily total	\$4,072
Cume. Total:	\$16.592

	n of Oil, Gas and Mińing FOR CHANGE WORKSHEET			r	Routing:
	all documentation received by the division rega each listed item when completed. Write N/A if				2-LUP 8-SJ 3-DTS/9-FILE 4-VLC
CKK Chai		Designation Operator N	n of Agent ame Change Only	,	5_RJF 6_LWP
The or	erator of the well(s) listed below has	s changed (E	FFECTIVE DATE:	5-1-95	)
TO (ne	w operator) (address)  PO BOX 1618  ROOSEVELT UT 84066  CRAIG PHILLIPS phone (801 ) 722-3000 account no. N 2945	_ <b>FROM</b> (fo - - - -	ormer operator) (address)	BADGER OIL CO PO BOX 52745 LAFAYETTE LA phone (318) account no.	70505 233–9200
Hell(s	) (attach additional page if needed):				
Name: Name: Name: Name:	WALKER 2-24A5/GR-WS API:43-013-3108 WILKINS 1-24A5/GR-WS API:43-013-3032 JOSIE 1A-3B5/GR-WS API:43-013-3067 API:43-013-3027 API: API: API: API:	20 Entity: 27 Entity: 28 Entity: Entity: Entity:	205         Sec24         Twp           216         Sec 3         Twp           215         Sec 3         Twp           Sec Twp         Sec Twp	o <u>1S</u> Rng <u>5W</u> Lea o <u>2S</u> Rng <u>5W</u> Lea	se Type:FEE se Type:FEE se Type:FEE se Type: se Type:
N	(Rule R615-8-10) Sundry or other 1 operator (Attach to this form). (fee'd (Rule R615-8-10) Sundry or other legal (Attach to this form). (fee'd 6-2-95)	7645)	•		
,	The Department of Commerce has been coperating any wells in Utah. Is comyes, show company file number:	npany regist 	ered with the	state? (yes/i	10) 1†
	(For Indian and Federal Hells ONLY) (attach Telephone Documentation Form comments section of this form. Manachanges should take place prior to con	agement revi	iew of <b>Federal</b>	and Indian v	vell operator
<u>Le</u> 5.	changes should take place prior to con Changes have been entered in the Oil listed above. $(7.7-95)$	and Gas Inf	ormation Syste	m (Wang/IBM) 1	for each well
<b>(1)P</b> 6.	Cardex file has been updated for each	well listed	l above. 7-12-	95	
Yyt 7.	Well file labels have been updated for	r each well	listed above.	7-13-95	
_	Changes have been included on the mor for distribution to State Lands and th	an Inv Commi	ecion / A-	}	· ·
Lic 9.	A folder has been set up for the Oper placed there for reference during rout	rator Change ting and pro	file, and a coccessing of the	copy of this p original docu	age has been uments.

OPERATOR CHANGE HORKSHEET (CONTINUED) Initial each item when completed. Write N/A if item is not ap	plicable.
ENŢITY REVIEH	
1. (Rule R615-8-7) Entity assignments have been reviewed for all wells list entity changes made? (yes/no) (If entity assignments were changed, Form 6, Entity Action Form).	ted above. Were attach <u>copies</u> of
NA 2. State Lands and the Tax Commission have been notified through norma entity changes.	l procedures of
BOND VERIFICATION (Fee wells only) INDEC #9065/\$80,000 "Zions First Nat'l Bank"	
Let 1. (Rule R615-3-1) The new operator of any fee lease well listed above proper bond.	
2. A copy of this form has been placed in the new and former operators' bond	files.
Let 3. The former operator has requested a release of liability from their bon Today's date	d (yes/no) made by letter
LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY	
1. (Rule R615-2-10) The former operator/lessee of any <b>fee lease</b> well listed notified by letter dated	above has been to notify any ntation of such
ма 2. Copies of documents have been sent to State Lands for changes involving St	ate leases.
FILMING	
1. All attachments to this form have been microfilmed. Date: July 21	19 <u>.95</u> .
FILING	
1. Copies of all attachments to this form have been filed in each well file.	
2. The <u>original</u> of this form and the <u>original</u> attachments have been filed in Change file.	n the Operator
COMMENTS	

WE71/34-35

#### DIVISION OF OIL, GAS AND MINING

			S. LEASE DESIGNATION & SERIAL NO.
(Do not use this form to	NOTICES AND REPORT F proposals to drill or to deepen or p 'APPLICATION FOR PERMIT—" to	lug back to a different reservoir.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
WELL A WELL OT	THER		1. UNIT AGREEMENT NAME
2. NAME OF OPERATOR			E. FARM OR LEASE NAME
Uinta Oil & Gas,	Inc.		Wilkins
	Roosevelt, Utah 84	0.6.6	9. WELL NO.
4. LOCATION OF WELL (Report local See also space 17 below.) As surface	ion clearly and in accordance with any \$(4)	e sedimewever	1-24A5
At proposed prod. zane	SE, NW, NE 927' FNL	- 1580' FEL	Altamont  11. SEC. T. A. M. OR BLK. AND SURVEY OR AREA
			Section 24, T1S, R5
43-013-30320	15. ELEVATIONS (Show whath	er OF, RT, GR, etc.)	12. COUNTY 11. STATE
	GR 6957'		Duchesne Utah
		te Nature of Notice, Report or Oth	er Data
NOTICE OF	iot noitrathi	U D 32 E U 2	ENT REPORT OF:
TEST WATER SHUT-OFF	PULL OR ALTER CASING	WATER SHUT-OFF	REPAIRING WELL
FRACTURE THEAT	MULTIPLE COMPLETE	FRACTURE TREATMENT	ALTERING CASING
SHOOT OR ACIDIZE	ABANDON	SHOOTING OR ACIDIZING	ABANDONMENT*
KEPAIR WELL (Other)	CHANGE PLANS		f multiple completion on Well pletion Report and Log form.)
APPROX. DATE WORK WILL	START May 1, 1995	DATE OF COMPLETION	
operator of the a Please release Ba and correspondence	above well under Under Under Under Sond $\#_/2$	ay 1, 1995 will be tah Statewide Bond  2 Please sen well to Uinta Oil &	# <u>7065</u> . d all reports Gas, Inc. at the
above address. I effective May 1,			e for all reporting
			Cent Ch
		ACT 1	IUN 0 2 <b>1995</b>
		_	OVISION OF GAS & MININ'
Contact Person: C		1-722-3000	
SIGNED terry f	$\rho \rightarrow$	President	DATE <u>5/31/95</u>
(This space for Federal or Sta	te office use)		
APPROVED BY	TITLE_		27,40

DIVISION OF OIL GAS AND N

ME	C	E		$\mathbb{V}$		Ī	1
	1111	4	^	400	7	ĮU	$\int$

D	IVISION OF OIL, and him in I	JUL 1 0 1995	5. Lease Designation and Serial Number:
SUNDRY I	NOTICES AND REPORTS	ON WELLS	8. If Indian, Allottee of Tribe Name:
	Is to drill new wolls, deepen existing wells, or to reents		7. Unit Agreement Name:
1. Type of Well: OIL X GAS	OTHER:		Wilkins 1-24A5
2. Name of Operator: Badger Oil	Corporation		8, API Well Number: 43-013-30320
3. Address and Telephone Number:	52745; Lafayette, LA 705	05: 318/233-9200	10, Field and Pool, or Wildcat: Altamont
	927' FNL - 1580' FEL		County: Duchesne
QQ, Sec.,T.,R.M.: Section 2	4, T1S-R5W		State: Utah
16. CHECK APPROI	PRIATE BOXES TO INDICATE N	ATURE OF NOTICE, R	EPORT, OR OTHER DATA
NOTICE	OF INTENT	. 8U	BSEQUENT REPORT submit Original Form Only)
☐ Abandon ☐ Repair Casing ☐ Change of Plans ☐ Convert to injection ☐ Fracture Treat or Acidize ☐ Multiple Completion ☐ Other	☐ New Construction ☐ Pull or Alter Casing ☐ Recomplete ☐ Perforate ☐ Vent or Flare ☐ Water Shut-Off	☐ Abandon * ☐ Repair Casing ☐ Change of Plans ☐ Convert to injection ☐ Fracture Treat or Acidize ☐ Other Change	of Operator
Approximate date work will start	May 1, 1995	Date of work completion	Miona and Recompletions to different reservoirs on WELL

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

* · Must be accompanied by a cement verification report.

Badger Oil Corporation has sold all its right, title and interest in and to the above described property to Uinta Oil & Gas, Inc.; P. O. Box 1618, Roosevelt, Utah 84066, effective May 1, 1995.

									•
13.			100 /			* **	1 - 1 - 1		
Name & Signature:	A 4-1 T	Project	417		). Vice	Presider	of Oak	•: 7-6-9°	5
Name & Signature:	Artnur J.	Frice		!	rise: VICE	Tresider	<u></u>	** <u></u>	
Saraha Zana Zana									-

(This upace for State use only)

#### OPERATOR CHANGE WORKSHEET

ROUTING

KOUIIIG	
1. GLH	4-KAS
2. CDW	5-SJ
3. JLT	6-FILE

Enter date after each listed item is completed

#### X Change of Operator (Well Sold)

Designation of Agent

Operator Name Change (Only)

Merger

The operator of the well(s) listed below	has changed, effective:	9/1/1999	)			
FROM: (Old Operator):		<b>TO</b> : ( Ne	ew Operator):	·		
ERHC/BASS AMERICAN PETROLEUM COMPA	NY		AIN OIL INC			
Address: P. O. BOX 1574			P. O. BOX 15	574		
ROOSEVELT, UT 84066	<del></del>	ROOSEV	ELT, UT	-		
Phone: 1-(435)-722-2992		Phone:	1-(435)-722-2	2992		
Account No. N8210		Account	No. N5495			
	CA No.	Unit:				
WELL(S)						
	API	ENTITY		LEASE	WELL	WELL
NAME	NO.	NO.	RNG	TYPE	TYPE	STATUS
DYE HALL 1-21A1	43-013-31163	10713			OW	P
LAWSON 1-21A1	43-013-30738	935		FEE	OW	S
NIELSON 1-20B1	43-013-30740	673		FEE	OW	P
MYRIN RANCH # 1	43-013-30176	1091	20-02S-03W		OW	P
WILKINS 1-24A5	43-013-30320	205	24-01S-05W		OW	S
WALKER 2-24A5	43-013-31085	218	24-01S-05W		OW	S
JOSIE 1-3B5	43-013-30273	215	03-02S-05W		OW	S
JOSIE 1A-3B5	43-013-30677	216	03-02S-05W	-	OW	S
FAUSETT 1-26A1E	43-047-30821	870	26-01S-01E	FEE	OW	P
OPERATOR CHANGES DOCUMENTA  1. (R649-8-10) Sundry or legal documentation was  2. (R649-8-10) Sundry or legal documentation was	received from the <b>FORM</b>	•	r on:	03/05/200	_	
3. The new company has been checked through the		•	of Corporation	03/05/200 ons Databa	_	03/07/200
4. Is the new operator registered in the State of Uta	th: YES	_Business N	Number:	3-301306-	0	
5. If <b>NO</b> , the operator was contacted contacted on:	N/A	_				
6. <b>Federal and Indian Lease Wells:</b> The or operator change for all wells listed on Federal		approved	the (merger	, name ch	nange,	
7. <b>Federal and Indian Units:</b> The BLM or for wells listed on:	BIA has approved the s N/A	successor	of unit opera	ntor		

8.	Federal and Indian Communization Agreement change for all wells listed involved in a CA on:	ts ("CA"): The BLM N/A	or the BIA has approved the operator
9.1	Underground Injection Control ("UIC") Prog: The for the enhanced/secondary recovery unit/project for the water		
$\overline{\mathbf{D}}_{I}$	ATA ENTRY:		
1.	Changes entered in the Oil and Gas Database on:	03/07/2001	
2.	Changes have been entered on the Monthly Operator Change	ge Spread Sheet on:	03/07/2001
3.	Bond information entered in RBDMS on:	03/07/2001	
4.	Fee wells attached to bond in RBDMS on:	03/07/2001	
ST	TATE BOND VERIFICATION:	27/	
1.	State well(s) covered by Bond No.:	N/A	
FF	EE WELLS - BOND VERIFICATION/LEASE IN	TEREST OWNER	NOTIFICATION:
1.	(R649-3-1) The <b>NEW</b> operator of any fee well(s) listed has fu	urnished a bond No:	LOC '00762
	The <b>FORMER</b> operator has requested a release of liability from The Division sent response by letter on:	m their bond on: 03/08/2001	09/08/00
3.	(R649-2-10) The <b>FORMER</b> operator of the Fee wells has been of their responsibility to notify all interest owners of this change		y a letter from the Division 03/08/2001
FI	LMING:		
1.	All attachments to this form have been MICROFILMED on:	3-26-01	
	LING: ORIGINALS/COPIES of all attachments pertaining to each in	ndividual well have been fi	lled in each well file on:
СО	DMMENTS:		
		·	

## STATE OF UTAH

Lease	Designation and Serial Number

DEPARTMENT OF NATUR DIVISION OF OIL, GAS		Lease Designation and Serial Number     Lease Designation and Serial Number     Lease Designation and Serial Number     Lease Designation and Serial Number
SUNDRY NOTICE AND REPORT  Do not use this form for proposals to drill new wells, dee  abandoned w  Use APPLICATION FOR PERM	epen existing wells, or to reenter plugged and ells	8. Unit or Communitization Agreement
1. Title of Well  [X] Oil Well  [ ] Gas Well  [ ] Other		9. Wel Name and Number Wilkins 1-24A5
2. Name of Operator ERHC/ Bass American Petroleum Compa	any	10. API Well Number 43-013-30320
3. Address and Telephone No. PO Box 1574 Roosevelt LIT 84066	4. Telephone Number 435-722-2992	11. Field and Pool, or Exploratory Area 55 Altamont

5. Location of Well

Footage

County: Duchesne

QQ, Sec. T., R., M.: T1S, R 5W, Sec. 24, NWNE, USM

State:

Utah

		DE OF MOTION DEPONT OF OT	UED DATA
<ol><li>12. CHECK APPROPRIA</li></ol>	TE BOX(s) TO INDICATE NATU	RE OF NOTICE, REPORT, OR OT	
NOTICE OF I	=	SUBSEQUENT	
(Submit in Duplicate)		(Submit Original F	orm Only)
[ ] Abandonment [ ] Casing Repair [ ] Change of Plans [ ] Conversion to Injection [ ] Fracture Test [ ] Multiple Completion [ X ] OtherChange of Opera	[ ] New Construction [ ] Pull or Alter Casing [ ] Recompletion [ ] Shoot or Acidize [ ] Vent or Flare [ ] Water Shut-Off	[ ] Abandonment [ ] Casing Repair [ ] Change of Plans [ ] Conversion to Injection [ ] Fracture Test [ ] Multiple Completion [ ] Other  Date of Work Completion Report results of Multiple Completions reservoirs on WELL COMPLET LOG FORM.	[ ] New Construction [ ] Pull or Alter Casing [ ] Recompletion [ ] Shoot or Acidize [ ] Vent or Flare [ ] Water Shut-Off  and Recompletions to different FION OR RECOMPLETION AND
1		*Must be accompanied by a ce	ment verification report
13 Describe Proposed or Completed One	erations (Clearly state all pertinent details	and give pertinent dates, including estimated of	date of starting any proposed work. If well is

directionally drilled, give subsurface location and measured and true vertical depths for all markers and zones pertinent to this work.

Please note effective September 1, 1999, ERHC/ Bass American Petroleum Company relinquishes operatorship of the Wilkins 1-24A5 Well. Please release ERHC/ Bass American Petroleum Company's bond # 7618020. ERHC/ Bass American Petroleum Company relinquishes to Mountain oil, Inc., PO Box 1574, Roosevelt, Utah 84066. Under Mountain Oil, Inc.'s bond #OO762

	Contact Person: Julie Jensen
14. I hereby certify that the foregoing is true and correct  Signed Julie Jensen  Title Agent	Date 9/8/60
(State Use Only)	

	Lease Designation and Serial Number	
	7. Indian Allottee or Tribe Name	
and	Unit or Communitization Agreement	
	9. Wel Name and Number	
	Wilkins 1-24A5	
	10. API Weil Number	
	43-013-30320	l

STATE OF UTAH		
DEPARTMENT OF NATURAL RE	SOURCES	Lease Designation and Serial Number
DIVISION OF OIL, GAS AND I	MINING	
		7. Indian Allottee or Tribe Name
SUNDRY NOTICE AND REPORTS ON V	VELLS	
Do not use this form for proposals to drill new wells, deepen exis		8. Unit or Communitization Agreement
abandoned wells	, , ,	
Use APPLICATION FOR PERMIT for	such proposals	
COCTAT ELOCATION COLUMN	addit proposatio	Wel Name and Number
1. Title of Well		Wilkins 1-24A5
		VVIII. 1 2-17 (0
[X] Oil Well [ ] Gas Well [ ] Other  2. Name of Operator		10. API Weil Number
Mountain Oil, Inc.		43-013-30320
	4. Telephone Number	11. Field and Pool, or Exploratory Area
	4. Telephone Number 435-722-2992	55 Altamont
	433-122-2992	J J Allamont
5. Location of Well	Country	Duchoone
Footage	County:	Duchesne
	HOM	1.14 . 1
QQ, Sec. T.,R.,M.: T1S, R 5W, Sec. 24, NWNE	, USM State:	Utah
12. CHECK APPROPRIATE BOX(s) TO INDICATE		
NOTICE OF INTENT		EQUENT REPORT
(Submit in Duplicate)		t Original Form Only)
[ ] Abandonment [ ] New Construction		<ul><li>New Construction</li><li>Pull or Alter Casing</li></ul>
[ ] Casing Repair [ ] Pull or Alter Casin [ ] Change of Plans [ ] Recompletion	g [ ] Casing Repair [ ] Change of Plar	<del>* -</del>
[ ] Conversion to Injection [ ] Shoot or Acidize	[ ] Conversion to	
[ ] Fracture Test [ ] Vent or Flare	Fracture Test	[ ] Vent or Flare
[ ] Multiple Completion [ ] Water Shut-Off	[ ] Multiple Compl	
[X] OtherChange of Operator	Other	
	·	
Approximate Date Work Will Start	Date of Work Comple	etion
	Report results of Multiple	Completions and Recompletions to different
	<u> </u>	COMPLETION OR RECOMPLETION AND
	LOG FORM.	
		ed by a cement verification report
13. Describe Proposed or Completed Operations (Clearly state all pertinent		
directionally drilled, give subsurface location and measured and true	vertical depths for all markers and zones	pertinent to this work.
0.150 (75 1) 051		
Self Certification Statement:		
Please be advised that Mountain Oil, I		
the new operator of the Wilkins 1-24As	วี Well, and is responsible เ	under the terms and conditions
of the lease of the operations conducted	ed upon the associated lea	sed lands. Please release
ERCH/ Bass American Petroleum Con		
provided under Mountain Oil, Inc.'s bor	•	<del>-</del>
•		·
communications regarding this lease to		73 1374, ROOSEVEII, UT 04000.
Marintain Dil A board #	12(1)/102	

Contact Person: Kalene Jackson Signed Title Agent Date Kalene Jackson

(State Use Only)

#### Division of Oil, Gas and Mining OPERATOR CHANGE WORKSHEET

COMMENTS:

ROUTING	
1. DJJ	
2. CDW	

X - Change of Operator (Well Sold)				Operator Name Change/Merger				
The operator of the well(s) listed below has changed, effective:			4/7/2006					
FROM: (Old Operator): N5495-Mountain Oil, Inc 3191 N Canyon Rd Provo, UT 84604			TO: ( New Operator): N3130-Homeland Gas & Oil, Inc. PO Box 1776 Ballard, UT 84066					
Phone: 1 (801) 318-0025				Phone: 1 (435) 722-2992				
WELL NAME SEC TWN RNG API NO ENTITY LEASE WELL WELL						Taxana a		
WELL NAME	SEC	. I WY	KNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
WILKINS 1-24A5	24	0108	050W	4301330320	205		OW	P
NIELSON 1-20B1	20			4301330740	673		ow	P
FAUSETT 1-26A1E	26			4304730821	870	Fee	ow	P
1-2B1E	02	020S	010E	4304730931	600	Indian	ow	P
OPERATOR CHANGES DOCUMENTATION  Enter date after each listed item is completed  1. (R649-8-10) Sundry or legal documentation was received from the FORMER operator on:  2. (R649-8-10) Sundry or legal documentation was received from the NEW operator on:  3. The new company was checked on the Department of Commerce, Division of Corporations Database on:  6/19/2006								
4a. Is the new operator registered in the State of U				Business Numl	-	174726-01		
5a. (R649-9-2)Waste Management Plan has been re		d on:		Requested				
5b. Inspections of LA PA state/fee well sites complete on:  n/a								
5c. Reports current for Production/Disposition & Sundries on:								
			A RIA 1	as approved the	- merger no	na chanca		
or operator change for all wells listed on Federal or Indian leases on:  BLM n/a BIA not yet  7. Federal and Indian Units:								
The BLM or BIA has approved the successor of unit operator for wells listed on:  No. 17/4								
8. Federal and Indian Communization Agreements ("CA"):								
The BLM or BIA has approved the operator for all wells listed within a CA on:  9. Underground Injection Control ("UIC")  The Division has approved UIC Form 5, Transfer of Authority to								
• • • • • • • • • • • • • • • • • • • •								
Inject, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on:  DATA ENTRY:								
1. Changes entered in the Oil and Gas Database on: 10/31/2006								
2. Changes have been entered on the Monthly Op		or Cha	nge Sp		-	10/31/2006	5	
3. Bond information entered in RBDMS on:				10/31/2006	•		_	
4. Fee/State wells attached to bond in RBDMS on:  10/31/2006								
5. Injection Projects to new operator in RBDMS on: n/a								
6. Receipt of Acceptance of Drilling Procedures for APD/New on:  n/a								
BOND VERIFICATION:								
1. Federal well(s) covered by Bond Number: 310279523								
2. Indian well(s) covered by Bond Number:  SB-509795  SB-509795								
3a. (R649-3-1) The NEW operator of any fee well(s) listed covered by Bond Number F16420								
3b. The <b>FORMER</b> operator has requested a release of liability from their bond on:  The Division sent response by letter on:  not sent								
The Division sent response by letter on: not sent  LEASE INTEREST OWNER NOTIFICATION:								
			an aaut	noted and info	بدرا المحالية	an fua 41	Dini-i	
4. (R649-2-10) The <b>FORMER</b> operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on:								

#### STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL GAS AND MINING

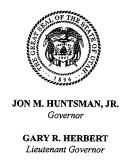
DIVISION OF OIL, GAS AND MINING				5. LEASE DESIGNATION AND SERIAL NUMBER: FEE			
SUNDRY NOTICE AND REPORTS ON WELLS				6. IF INIDAN, ALLOTTEE OR TRIBE NAME:			
Do not use this form for proposels to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill norizontal leterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.				7. UNIT OF CA AGREEMENT NAME:			
1. TYPE OF WELLS				8WELL NAME and NUMBER			
[X] Oil Well [ ] Gas Well [ ] Other				Wilkins 1-24A5			
2. NAME OF OPERATOR  Homeland Gas & Oil		9. API NUMBER: 43-013-30320					
3. ADDRESS OF OPERATOR 3980 East Main, Ballard UT'S	1	PHONE NUMBER 435-722	-2992	10. FIELD AND	POOL, OR WILDCAT ALTAMONT		
4. LOCATION OF WELLS TOWNSHIP 1S RANGE 5W SECTION 24 NWNE USBM				COUNTY:	DUCHESNE UTAH		
				0111,12.			
11 CHECK APPROPRIATE	BOXES TO INDICA	ATE NATURE OF NO	TICE, REPORT, O	R OTHER DA	TA		
TYPE OF SUBMISSION			TYPE OF AC				
(Submit in Duplicate) [ ] Approximate date work will start [ ]	ACIDIZE ALTER CASING CASING REPAIR CHANGE TO PREVIOL CHANGE TUBING	[]F []N ISPLANS []O	EEPEN RACTURE TREAT EW CONSTRUCTION PERATOR CHANGE LUG AND ABANDON		[ ] REPERFORATE CURRENT FORMATION [ ] SIDETRACK TO REPAIR WELL [ ] TEMPORARILY ABANDON [ ] TUBING REPAIR [ ] VENT OR FLARE		
[ ] SUBSEQUENT REPORT [ ] (Submit Original Form Only) [ ] Date of work completion: [ ]	CHANGE TUBING   PLUG AND ABANDO   CHANGE WELL NAME   PLUG BACK   PRODUCTION (STAF   COMMINGLE PRODUCING FORMATIONS   RECLAMATION OF V   CONVERT WELL TYPE   RECOMPLETE-DIFF			LL SITE	[ ] WATER DISPOSAL [ ] WATER SHUT-OFF [ X ] OTHER		
398 Bal The previous operator was: MO 319	meland Gas & Oil 80 East Main lard UT 84066 BUNTAIN OIL, INC 91 N CANYON RO OVO, UT 84604 and Gas & Oil is ro perations conduct	c. ルが	e terms and	JOSEPHO PRESIDEN	T, MOUNTAIN OIL, INC.		
NAME (PLEASE PRINT) Jack Capson			TITLE President	. Homeland	Gas & Oil		
June ( CESTOE : MINT)	-						
SIGNATURE	Lan		DATE April 4, 20	06			
(This space for State use only)							

(5/2000)

Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

RECEIVED
JUN 2 1 2006

DIV. OF OIL, GAS & MINING



### State of Utah DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA Division Director

October 1, 2008

CERTIFIED MAIL NO.: 7004 2510 0004 1824 6435

Mr. Brian Jones Homeland Gas & Oil Inc. 825 East Speer Blvd, Suite #100 E Denver, CO 80218 43 013 30320 Wilkins 1-2445 18 5W 2A

Re: <u>SECOND NOTICE: Extended Shut-in and Temporarily Abandoned Requirements for</u>
Wells on Fee or State Leases

Dear Mr. Jones:

Homeland Gas & Oil Inc. ("Homeland") has seven (7) Fee Lease Wells (see attachment A) that are currently in non-compliance for extended shut-in and temporary abandonment (SI/TA) status. Wells SI/TA beyond twelve (12) consecutive months require the filing of a Sundry Notice in accordance with R649-3-36-1 for Utah Division of Oil, Gas & Mining ("Division") approval. Wells with five (5) years non-activity or non-productivity shall be plugged, unless the Division grants approval for extended shut-in time upon a showing of good cause by the operator (R649-3-36-1.3.3).

This is a second notice for wells 1 through 3 listed on Attachment A. The Division notified the previous operators, Mountain Oil, Flying J Oil, and McCullis Resources, on several occasions by certified mail about these wells non-compliance issues. Several plans to produce or plug were submitted, but no action has been taken to date on these wells. Homelands responsibility to comply with the above listed rules was assumed at current level when ownership was transferred. The Division has been holding several meetings with Homeland in regards to these wells, but no work has taken place. Immediate action is required on these wells. Please submit your plans to produce or plug these wells. If this is not addressed within 30 days, a Notice of Violation will be issued for these wells. A similar response is required for the other four wells listed in Attachment A.



Page 2 October 1, 2008 Mr. Jones

For extended SI/TA consideration the operator shall provide the Division with the following:

- 1. Reasons for SI/TA of the well (R649-3-36-1.1).
- 2. The length of time the well is expected to be SI/TA (R649-3-36-1.2), and
- 3. An explanation and supporting data if necessary, for showing the well has integrity, meaning that the casing, cement, equipment condition, static fluid level, pressure, existence or absence of Underground Sources of Drinking Water and other factors do not make the well a risk to public health and safety or the environment (R649-3-36-1.3)

Submitting the information suggested below may help show well integrity and may help qualify your well for extended SI/TA. Note: As of July 1, 2003, wells in violation of the SI/TA rule R649-3-36 may be subject to full cost bonding (R649-3-1-4.2, 4.3).

- 1. Wellbore diagram, and
- 2. Copy of recent casing pressure test, and
- 3. Current pressures on the wellbore (tubing pressure, casing pressure, and casing/casing annuli pressure) showing wellbore has integrity, and
- 4. Fluid level in the wellbore, and
- 5. An explanation of how the submitted information proves integrity.

If the required information is not received within 30 days of the date of this notice, further actions will be initiated. If you have any questions concerning this matter, please contact me at (801) 538-5281.

Sincerely

Dustin K. Doucet

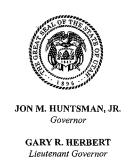
Petroleum Engineer

JP/js Enclosure

cc: Compliance File Well File

#### Attachment A

	Well Name	API	Lease Type	Years Inactive
1	REIMANN 10-1	43-013-30460	FEE	3 Years 9 Months
2	BATES 9-1	43-013-30469	FEE	3 Years 9 Months
3	WALKER 2-24A5	43-013-31085	FEE	19 Years 6 Months
4	HANSEN 1	43-013-30161	FEE	1 Year 6 Months
5	WILKINS 1-24A5	43-013-30320	FEE	1 Year 11 Months
6	DYE-HALL 2-21A1	43-013-31163	FEE	2 Years 2 Months
7	FAUSETT 1-26A1E	43-047-30821	FEE	1 Year 5 Months



### State of Utah DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER Executive Director

Division of Oil Gas and Mining

JOHN R. BAZA
Division Director

December 23, 2008

CERTIFIED MAIL NO.: 7004 2510 0004 1824 6626

Mr. Brian Jones Homeland Gas & Oil Inc. 15587 Huron St Broomfield CO 80020 43 013 30320 Wilkins 1-24A5 15 5W 2A

SUBJECT:

SECOND NOTICE: Extended Shut-in and Temporarily Abandoned Requirements

for Wells on Fee or State Leases

Dear Mr. Jones:

Homeland Gas & Oil Inc. ("Homeland") has four (4) Fee Lease Wells (see attachment A) that are currently in non-compliance for extended shut-in and temporary abandonment (SI/TA) status. Wells SI/TA beyond twelve (12) consecutive months require the filing of a Sundry Notice in accordance with R649-3-36-1 for Utah Division of Oil, Gas & Mining ("Division") approval. Wells with five (5) years non-activity or non-productivity shall be plugged, unless the Division grants approval for extended shut-in time upon a showing of good cause by the operator (R649-3-36-1.3.3).

This is a second notice for the wells listed on Attachment A. The Division notified Homeland by certified mail on October 29, 2008, about these wells non-compliance issues. Homeland had 30 days to respond. More than sufficient time has passed but no correspondence has been received by the Division to date. Immediate action is required on these wells. Please submit your plans to produce or plug these wells. If this is not addressed within 30 days, a Notice of Violation will be issued for these wells.



Page 2 December 23, 2008 Mr. Jones

For extended SI/TA consideration the operator shall provide the Division with the following:

- 1. Reasons for SI/TA of the well (R649-3-36-1.1).
- 2. The length of time the well is expected to be SI/TA (R649-3-36-1.2), and
- 3. An explanation and supporting data if necessary, for showing the well has integrity, meaning that the casing, cement, equipment condition, static fluid level, pressure, existence or absence of Underground Sources of Drinking Water and other factors do not make the well a risk to public health and safety or the environment (R649-3-36-1.3)

Submitting the information suggested below may help show well integrity and may help qualify your well for extended SI/TA. Note: As of July 1, 2003, wells in violation of the SI/TA rule R649-3-36 may be subject to full cost bonding (R649-3-1-4.2, 4.3).

- 1. Wellbore diagram, and
- 2. Copy of recent casing pressure test, and
- 3. Current pressures on the wellbore (tubing pressure, casing pressure, and casing/casing annuli pressure) showing wellbore has integrity, and
- 4. Fluid level in the wellbore, and
- 5. An explanation of how the submitted information proves integrity.

If the required information is not received within 30 days of the date of this notice, further actions will be initiated. If you have any questions concerning this matter, please contact me at (801) 538-5281.

Sincerely

Dustin K. Doucet

Petroleum Engineer

DKD/js Enclosure

cc: Compliance File Well File

# Attachment A

	Well Name	API	Lease Type	Years Inactive
1.	HANSEN 1	43-013-30161	FEE	1 Year 6 Months
2.	WILKINS 1-24A5	43-013-30320	FEE	1 Year 11 Months
3.	DYE-HALL 2-21A1	43-013-31163	FEE	2 Years 2 Months
4.	FAUSETT 1-26A1E	43-047-30821	FEE	1 Year 5 Months

#### **UTAH DEPARTMENT OF NATURAL RESOURCES**

Division of Oil, Gas & Mining

Oil and Gas Program

1594 West North Temple, Suite 1210, Box 145801 Salt Lake City, Utah 84114-5801

(801) 538-5340 Phone

(801) 359-3940 Fax

# NOTICE OF VIOLATION STATE OF UTAH OIL AND GAS CONSERVATION ACT

*************

To the following operator:

Name: HOMELAND GAS & OIL INC.

Well(s) or Site(s): 1.) WILKINS 1-24A5 API #: 43-013-30320

2.) <u>DYE-HALL 2-21A1</u> <u>43-013-31163</u>

3.) <u>HANSEN 1 43-013-30161</u>

4.) FAUSETT 1-26A1E 43-047-30821

Date and Time of Inspection/Violation: January 28, 2009

Mailing Address: Attn: Brian Jones

15587 Hurron St

Broomfield, CO 80020

Under the authority of the Utah Oil and Gas Conservation Act, Section 40-6 et. Seq., Utah Code Annotated, 1953, as amended, the undersigned authorized representative of the Division of Oil, Gas and Mining (Division) has conducted an inspection of the above described site and/or records on the above date and has found alleged violation(s) of the act, rules or permit conditions as described below.

#### Description of Violation(s):

Rule R649-3-36, Shut-in and Temporarily Abandoned Wells –According to Rule R649-3-36, the operator is required to supply the Division with reasons for extended SI/TA, the length of time for extended SI/TA and proof of well bore integrity for every well SI/TA over 12 consecutive months. After 5 years of continued SI/TA, the wells are to be plugged unless good cause is supplied to the Division for extended SI/TA in addition to the required information just mentioned.

Homeland Oil & Gas Inc. January 28, 2009 Notice of Violation

The Division has initiated several contacts with Homeland Gas & Oil Inc. (Homeland) requesting required documents and action per R649-3-36. The Division notified Homeland by certified mail on October 29, 2008, about these wells non-compliance issues. Homeland had 30 days to respond, in which they did not. The above listed wells then had a second notice sent out via certified mail on December 22, 2008 to Homeland. In that notice it was made clear that if this issue was not addressed within 30 days, a Notice of Violation will be issued for the wells. To date the Division has not seen any such correspondence on the matter. Our records show nothing has been done to date to move these wells out of violation status.

Action: For the wells subject to this notice, Homeland shall either submit the information required by R649-3-36, plug and abandon or place the well on production.

This notice shall remain in effect until it is modified, terminated, or vacated by a written notice of an authorized representative of the director of the Division of Oil, Gas and Mining. Failure to comply with this notice will result in the Division pursuing further actions against said operator. Further actions may include initiation of agency actions to order full cost bonding and plugging and abandonment of wells and requests for bond forfeiture and civil penalties.

Compliance Deadline: HOY I

Date of Service Mailing: February 11, 2009

CERTIFIED MAIL NO: 7004 2510 0004 1824 6855

Division's Representative

Operator or Representative

(If presented in person)

cc: Well Files

Operator Compliance File



## State of Utah

#### DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA

Division Director

December 20, 2010

Certified Mail No. 7004 1160 0003 0190 4802

Craig Phillips Homeland Gas & Oil, Inc P.O. Box 1574 Roosevelt, Utah 84066

43 0/3 30320 Wilkins 1-24745

Subject: Homeland Gas and Oil, Inc. Escrow Account

Dear Mr. Phillips:

This letter is in response to the e-mail you sent me on December 8, 2010, regarding Homeland Gas & Oil, Inc. (Homeland) proposal to place \$280,000.00 in an escrow account specifically for the plugging and performing of Mechanical Integrity Tests (MIT's) on Shut-in and Temporarily Abandoned Wells (SI/TA) currently operated by Homeland.

The Division of Oil, Gas and Mining (Division) grants Homeland 30 days from receipt of this letter to submit a formal escrow account agreement and plan of action, for Division review and approval, for the eighteen (18) Homeland Fee and State operated wells (see Attachment A - Subject Wells) in non-compliance with Utah Oil and Gas Conservation General Rule R649-3-36.

The Division requests that Homeland's escrow account agreement and/or plan of action submittals include, but not restricted to the following:

- Prioritized work plans for all eighteen Shut-in and Temporarily Abandoned Wells.
- Identify and prioritize wells with landowner complaints.
- Identify the specific wells to be plugged and plugging deadlines for each well.
- Identify the specific wells for MIT and MIT performance deadlines for each well.
- Plan for any well failing a MIT.
- Proof of funding.
- When the funds will be available for placement into the escrow account.
- Parameters for withdrawals from the escrow account.
- Additional placement of funds into the escrow account.
- Show that the Homeland and the escrow manager have no conflict of interest.



Page 2 Homeland Gas and Oil, Inc. Escrow Account December 20, 2010

Questions regarding this matter may be directed to Mr. Clinton Dworshak, Compliance Manager, at 801 538-5280, or to Mr. Dustin Doucet, Engineer, at 801 538-5281.

Sincerely,

Clinton Dworshak Compliance Manager

CLD/js Enclosures

cc: Compliance File
Well Files
Steve Alder, Attorney General
John Rogers, Associate Director
Dustin Doucet, Petroleum Engineer
Randy Thackeray, Lead Auditor

N:\O&G Reviewed Docs\ChronFile\Compliance

# Attachment A Subject Wells

Well Name	API	SI/TA (Years and Months) 10/2010
Brown 3-2	43-013-30986	3 years 0 Months
Fausett 1-26A1E	43-047-30821	3 years 7 Months
Myrin Ranch 1	43-013-30176	4 years 1 Month
Wilkins 1-24A5	43-013-30320	4 Years 1 Month
Wesley Bastian Fee 1	43-013-10496	5 Years 2 Months
Josie 1A-3B5	43-013-30677	5 Years 5 Months
Dye-Hall 2-21A1	43-013-31163	5 Years 6 Months
Bates 9-1	43-013-30469	5 Years 11 Months
V Miles 1	43-013-30275	6 Years 3 Months
Rust 3-22A4	43-013-31266	6 Years 6 Months
Gusher 2-17B1	43-013-30846	6 Years 8 Months
CJ Hackford 1-23	43-047-30279	6 years 9 Months
Knight 1	43-013-30184	7 Years 0 Months
Josie 1-3B5	43-013-30273	9 Years 5 Months
A Rust 2	43-013-30290	10 Years 4 Months
Reiman 10-1	43-013-30460	14 years 0 Months
Dustin 1	43-013-30122	17 Years 3 Months
Walker 2-24A5	43-013-31085	20 years 8 Months

4802	U.S. Postal ServiceTM CERTIFIED MAILTM RECEIPT (Domestic Mail Only; No Insurance Coverage Provided) For delivery information visit our website at www.usps.com								
0110	80 E C	I CIAL							
7									
	Postage	\$	12/20/10						
000	Certified Fee		No.						
	Return Reclept Fee (Endorsement Required)		Postmark U Here						
1160	Restricted Delivery Fee (Endorsement Required)	100 dd 100 yr y gangar yn gwyl y gangar y gangar y gangar y gangar y gangar y gangar y gangar y gangar y gangar							
	Total Postage	•							
7004	Sent To CRA	JG PHILLIPS	7						
2	Street, Apt. No. HOMELAND GAS & OIL INC								
	or PO Box No. PO	BOX 1574							
	Chi Cinta 7/0	SEVELT UT 8	34066						
	PS Form 3800, June 200	2	See Reverse for Instructions						

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY		
<ul> <li>Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</li> <li>Print your name and address on the reverse so that we can return the card to you.</li> <li>Attach this card to the back of the mailpiece, or on the front if space permits.</li> </ul>	A. Signature  X		
Article Addressed to:  CD A I Construction	D. Is delivery address different from item 1? Yes If YES, enter delivery address below: No		
CRAIG PHILLIPS HOMELAND GAS & OIL INC P O BOX 1574	USPS .		
ROOSEVELT UT 84066	3. Service Type  Certified Mall  Registered Return Receipt for Merchandise  C.O.D.		
2. Article Number	4. Restricted Delivery? (Extra Fee) ☐ Yes		
(Transfer from service label) 7004 111	60 0003 0190 4802		
PS Form 3811. February 2004 Domestic Retu			

#### **UTAH DEPARTMENT OF NATURAL RESOURCES**

Division of Oil, Gas & Mining

Oil and Gas Program

1594 West North Temple, Suite 1210, Box 145801 Salt Lake City, Utah 84114-5801 (801) 538-5340 Phone

Name: HOMELAND GAS AND OIL, INC.

(801) 359-3940 Fax

# NOTICE OF VIOLATION STATE OF UTAH OIL AND GAS CONSERVATION ACT

*************

To the following operator:

API #: <u>43-013-30469</u> Well(s) or Site(s): 1.) BATES 9-1 43-013-30460 2.) REIMANN 10-1 43-013-30122 3.) DUSTIN 1 43-013-30290 4.) A RUST 2 43-013-30846 5.) GUSHER 2-17B1 6.) RUST 3-22A4 43-013-31266 7.) C J HACKFORD 1-23 43-047-30279 43-013-30275 8.) V MILES 1 5W 43-013-30320 \S 24 9.) WILKINS 1-24-A5 10.) JOSIE 1A-3B5 43-013-30677 43-013-31163 11.) DYE-HALL 2-21A1

43-047-30821

43-013-30986

Date and Time of Inspection/Violation: December 28, 2012

12.) FAUSET 1-26A1E

13.) BROWN 3-2

Mailing Address: Attn: Craig Phillips

P.O. BOX 1776

Roosevelt, UT 84066

Under the authority of the Utah Oil and Gas Conservation Act, Section 40-6 et. Seq., Utah Code Annotated, 1953, as amended, the undersigned authorized representative of the Division of Oil, Gas and Mining (Division) has conducted an inspection of the above described site and/or records on the above date and has found alleged violation(s) of the act, rules or permit conditions as described below.

### Description of Violation(s):

Rule R649-3-36, Shut-in and Temporarily Abandoned Wells – According to Rule R649-3-36, the operator is required to supply the Division with reasons for extended SI/TA, the length of time for extended SI/TA and proof of well bore integrity for every well SI/TA over 12 consecutive months. After 5 years of continued SI/TA, the wells are to be plugged unless good cause is supplied to the Division for extended SI/TA in addition to the required information just mentioned.

Rule R649-3-4.3, *Bonding* - <u>If the division finds that a well subject to this bonding rule is in violation of Rule R649-3-36., Shut-in and Temporarily Abandoned Wells, the division shall require a bond amount for the applicable well in the amount of actual plugging and site restoration costs.</u>

Rule R649-3-4.4.1. Bonding - Within 30 days of notification by the division, the operator shall submit to the division an estimate of plugging and site restoration costs for division review and approval.

#### **UTAH DEPARTMENT OF NATURAL RESOURCES**

Division of Oil, Gas & Mining

Oil and Gas Program

1594 West North Temple, Suite 1210, Box 145801

Salt Lake City, Utah 84114-5801

(801) 538-5340 Phone

(801) 359-3940 Fax

The Division has initiated several contacts with Homeland Gas and Oil, Inc. (Homeland) requesting required documents and action per R649-3-36. All wells listed have previously been issued SI/TA Notices and Notices of Violation without the required work being accomplished or information submitted to bring these wells into compliance.

These wells are in violation of R-649-3-36 as listed above. The Division requires Homeland to put up full cost bonding for all wells in violation above per R649-3-4. It is also mandatory that Homeland submit all documentation as required by R649-3-36 concerning shut-in and temporarily abandoned wells.

Immediate Action: For the wells subject to this notice, Homeland shall fulfill full cost bonding requirements for each well. Homeland shall also submit all information as required by R649-3-36 or plug and abandon or place the wells on production.

* Fines may be levied up to \$10,000.00 per day for every well in violation given the authority provided under U.C.A. 40-6-11, part 4.

This notice shall remain in effect until it is modified, terminated, or vacated by a written notice of an authorized representative of the director of the Division of Oil, Gas and Mining. Failure to comply with this notice will result in the Division pursuing further actions against said operator. Further actions may include initiation of agency actions to order full cost bonding and plugging and abandonment of wells and requests for bond forfeiture and civil penalties.

Compliance Deadline: February 8, 2013	
Date of Service Mailing: January 3, 2013	Certified Mail No: <u>7010 1670 0001 4810 3638</u>
Division's Representative	Operator or Representative
	(If presented in person)

cc: Compliance File Well Files

6/2005



# State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA

Division Director

# STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS & MINING

IN THE MATTER OF:

Homeland Gas and Oil, Inc. operations at:

Bates 9-1 located at Sec. 9, T4S, R6W; Riemann 10-1 located at Sec. 10, T4S, R6W; Dustin 1 located at Sec. 22, T2S, R3W; A Rust 2 located at Sec. 22, T1S, R4W; Gusher 2-17B1 located at Sec. 17, T2S, R1W; Rust 3-22A4 located at Sec. 22, T1S, R4W; V Miles 1 located at Sec. 20, T1S, R4W; Josie 1A-3B5 located at Sec. 20, T1S, R4W; Josie 1A-3B5 located at Sec. 3, T2S, R5W; Wilkins 1-24A5 located at Sec. 24, T1S, R5W; Dye-Hall 2-21A1 located at Sec. 21, T1S, R1W; Brown 3-2 located at Sec. 3, T1S, R2W; CJ Hackford 1-23 located at Sec. 23, T1S, R1E; and Fausett 1-26A1E located at Sec. 26, T1S, R1E.

43 013 30320

NOTICE OF AGENCY ACTION

Case No. SI/TA 102

1. This Notice of Agency Action is to inform Homeland Gas and Oil, Inc. ("Homeland") that the Utah Division of Oil, Gas & Mining ("Division") is commencing an administrative adjudicative proceeding to consider appropriate action to be taken pursuant to Utah Admin. Code R649-3-36 for your failure to comply with a Notice of Violation ("NOV") issued January 3, 2013, for the following wells:



Well Name	API Number		ation Twn-Rng
Bates 9-1	43-013-30469	9	4S-6W
Riemann 10-1	43-013-30460	10	4S-6W
Dustin 1	43-013-30122	22	2S-3W
A Rust 2	43-013-30290	22	1S-4W
Gusher 2-17B1	43-013-30846	17	2S-1W
Rust 3-22A4	43-013-31266	22	1S-4W
V Miles 1	43-013-30275	20	1S-4W
Josie 1A-3B5	43-013-30677	3	2S-5W
Wilkins 1-24A5	43-013-30320	24	1S-5W
Dye-Hall 2-21A1	43-013-31163	21	1S-1W
Brown 3-2	43-013-30986	3	1S-2W
CJ Hackford 1-23	43-047-30279	23	1S-1E
Fausett 1-26A1E	43-047-30821	26	1S-1E

This Division action is an informal adjudicative proceeding and shall be conducted according to the provisions of Utah Code Ann. §§ 40-6-10, 63G-4-202, and 63G-4-203; and Utah Admin. Code R649-10 *et seq*.

- 2. The Division issued a NOV on January 3, 2013, compelling you to provide full cost bonding on all of the listed wells, and one of the following actions: 1) a written explanation for each well's status per the terms of Utah Admin. Code R649-3-36; 2) return each well to production; or 3) plug and abandon the wells. The NOV is attached as an exhibit to this Notice of Agency Action.
- 3. The purpose of this informal adjudication is to determine what action you are required to take in order to comply with R649-3-36, the Oil and Gas Conservation Act, and other applicable regulations. This informal adjudication also provides you an opportunity for

- a hearing so that you may present evidence and testimony, if any, concerning your noncompliance with the NOV.
- 4. You are entitled to request a hearing to review the claims and recommendations in this Notice of Agency Action. The request for hearing must be made in writing and received by the Division no later than 10 calendar days from the date of this Notice. See Utah Admin. Code R649-10-3.2.1.6 and R649-10-4.1.2. Upon receiving a hearing request, the Division will schedule a date and time for the hearing. Failure to respond to this Notice within 10 calendar days to request a hearing may result in a Default Order being entered against you granting the relief recommended by the Division. See Utah Admin. Code R649-10-5.
- 5. Pursuant to Utah Admin. Code R649-10-2.9, the Director has designated Cameron Johnson, Assistant Attorney General, as the Presiding Officer in this matter. Clinton Dworshak, Compliance Manager, will represent the Division. Attendance at the hearing is required either in person, over the phone, or via written testimony. Failure to attend and participate in a scheduled hearing may result in a Default Order being entered against you granting the relief recommended by the Division. *See* Utah Admin. Code R649-10-5.
- 6. If you have any information, evidence, or statements that should be reviewed prior to the hearing, you should submit that information to the Division at the address noted below so that it may be considered and made a part of the record.
- 7. Upon request and to the extent permitted by law, the Division will provide you with any information or documents in its files relevant to this proceeding.

- 8. If after the hearing the Presiding Officer determines that you failed to adhere to the directives of the NOV, he may enter a Decision and Order requiring you to take additional actions, including, but not limited to: posting additional amounts of bonding, immediate plugging of the well, or other measures that are deemed to be appropriate under Utah Admin. Code R649-3-1 through -36.
- 9. To preserve the Division's ability to effectively manage the State's oil and gas resources, the Division is recommending the following actions:
  - a. Plugging Sundries for the 13 state or fee shut-in wells; and
  - A plugging schedule for the wells shall be submitted to the Division by April 30, 2013.
- 10. Following the hearing, and after considering all the evidence presented, the Presiding Officer will issue a written Decision and Order detailing the legal and factual rationale for the decision. The final Decision and Order may be appealed to the Board of Oil, Gas & Mining in accordance with the provisions of Utah Admin. Code R649-10-6.
- 11. All written communication concerning this Notice of Agency Action shall be identified by the case name and number set forth in the caption at the top of this Notice, and shall be directed to Jean Sweet, Division of Oil, Gas & Mining, P.O. Box 145801, Salt Lake City, Utah 84114-5801, phone: 801-538-5329, jsweet@utah.gov.

DATED this day of March, 2013.

Cameron Johnson

Assistant Attorney General

1594 West North Temple, Suite 300

Salt Lake City, Utah 84101

801.518.3988

cameronjohnson@utah.gov

## **CERTIFICATE OF SERVICE**

The undersigned hereby certifies that on this 2 day of March, 2013, a true and correct copy of the foregoing **NOTICE OF AGENCY ACTION** was served via certified mail on the following person(s):

Homeland Gas and Oil, Inc. Attn: Craig Phillips P.O. Box 1776 Roosevelt, Utah 84066

Certified Mail #7010 1670 0001 4810 3928

Jean Sweet

Division of Oil, Gas & Mining

Sundry Number: 38419 API Well Number: 43013303200000

	STATE OF UTAH			FORM 9
ι	DEPARTMENT OF NATURAL RESOUP DIVISION OF OIL, GAS, AND M		9	5.LEASE DESIGNATION AND SERIAL NUMBER: FEE
SUNDR	WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:		
	posals to drill new wells, significantl reenter plugged wells, or to drill horiz n for such proposals.			7.UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well		8. WELL NAME and NUMBER: WILKINS 1-24A5		
2. NAME OF OPERATOR: HOMELAND GAS & OIL, INC	·.			9. API NUMBER: 43013303200000
3. ADDRESS OF OPERATOR: P.O. Box 1776, Roosevelt,	UT, 84066 435 722		DNE NUMBER: Ext	9. FIELD and POOL or WILDCAT: ALTAMONT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0927 FNL 1580 FEL				COUNTY: DUCHESNE
QTR/QTR, SECTION, TOWNSH	<b>IIP, RANGE, MERIDIAN:</b> 24 Township: 01.0S Range: 05.0W M	eridian	: U	STATE: UTAH
11. CHECK	K APPROPRIATE BOXES TO INDIC	ATE N	ATURE OF NOTICE, REPOR	T, OR OTHER DATA
TYPE OF SUBMISSION			TYPE OF ACTION	
	ACIDIZE		ALTER CASING	CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS		CHANGE TUBING	CHANGE WELL NAME
	CHANGE WELL STATUS		COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	□ F	FRACTURE TREAT	NEW CONSTRUCTION
5/31/2013	OPERATOR CHANGE	F	PLUG AND ABANDON	PLUG BACK
SPUD REPORT	PRODUCTION START OR RESUME	□ F	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
Date of Spud:	REPERFORATE CURRENT FORMATION		SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
	TUBING REPAIR		VENT OR FLARE	WATER DISPOSAL
DRILLING REPORT Report Date:	WATER SHUTOFF		SI TA STATUS EXTENSION	APD EXTENSION
	WILDCAT WELL DETERMINATION	1	OTHER	OTHER:
12. DESCRIBE PROPOSED OR	COMPLETED OPERATIONS. Clearly show		rtinent details including dates, d	Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY June 19, 2013
NAME (PLEASE PRINT) Craig S. Phillips	<b>PHONE NUN</b> 435 722-2992	IBER	TITLE Manager	
SIGNATURE N/A			<b>DATE</b> 6/3/2013	

Sundry Number: 41348 API Well Number: 43013303200000

	STATE OF UTAH DEPARTMENT OF NATURAL RESOURCE				FORM 9
ι	5.LEASE FEE	DESIGNATION AND SERIAL NUMBER:			
SUNDR	6. IF IND	AN, ALLOTTEE OR TRIBE NAME:			
	posals to drill new wells, significantly eenter plugged wells, or to drill horizon for such proposals.			7.UNIT o	r CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well					NAME and NUMBER: IS 1-24A5
2. NAME OF OPERATOR: HOMELAND GAS & OIL, INC				<b>9. API NU</b> 430133	IMBER: 303200000
3. ADDRESS OF OPERATOR: P.O. Box 1776, Roosevelt,	UT, 84066 435 722-2		NE NUMBER: Ext	9. FIELD ALTAM	and POOL or WILDCAT: ONT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0927 FNL 1580 FEL				DUCHE	
QTR/QTR, SECTION, TOWNSH	<mark>IIP, RANGE, MERIDIAN:</mark> 24 Township: 01.0S Range: 05.0W Mer	idian	: U	STATE: UTAH	
11. CHECK	K APPROPRIATE BOXES TO INDICA	TE N	ATURE OF NOTICE, REPOR	RT, OR O	THER DATA
TYPE OF SUBMISSION			TYPE OF ACTION		
	ACIDIZE		ALTER CASING	П	CASING REPAIR
NOTICE OF INTENT	CHANGE TO PREVIOUS PLANS		CHANGE TUBING		CHANGE WELL NAME
Approximate date work will start:			COMMINGLE PRODUCING FORMATIONS		CONVERT WELL TYPE
✓ SUBSEQUENT REPORT	CHANGE WELL STATUS				
Date of Work Completion: 8/14/2013	L DEEPEN		FRACTURE TREAT		NEW CONSTRUCTION
0,11,2010	OPERATOR CHANGE	□ P	PLUG AND ABANDON		PLUG BACK
SPUD REPORT Date of Spud:	PRODUCTION START OR RESUME	∐ R	RECLAMATION OF WELL SITE		RECOMPLETE DIFFERENT FORMATION
	REPERFORATE CURRENT FORMATION		SIDETRACK TO REPAIR WELL		TEMPORARY ABANDON
	TUBING REPAIR	_ v	/ENT OR FLARE		WATER DISPOSAL
DRILLING REPORT Report Date:	WATER SHUTOFF		SI TA STATUS EXTENSION		APD EXTENSION
	WILDCAT WELL DETERMINATION	<b>√</b> d	OTHER	OTHE	R:
12. DESCRIBE PROPOSED OR	COMPLETED OPERATIONS. Clearly show	all per	rtinent details including dates, d	lenths, vol	lumes, etc.
	CSG 40 PSI Maintenance wa			oi FOF	Accepted by the Utah Division of I, Gas and Mining R RECORD ONLY August 14, 2013
NAME (PLEASE PRINT)	PHONE NUMB	ER	TITLE		
Craig S. Phillips	435 722-2992		Manager		
SIGNATURE N/A			<b>DATE</b> 8/14/2013		

Sundry Number: 44610 API Well Number: 43013303200000

	STATE OF UTAH		FORM 9
ι	DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MININ	G	5.LEASE DESIGNATION AND SERIAL NUMBER: FEE
SUNDR	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:		
Do not use this form for pro current bottom-hole depth, I FOR PERMIT TO DRILL form	posals to drill new wells, significantly dee reenter plugged wells, or to drill horizontal n for such proposals.	epen existing wells below laterals. Use APPLICATION	7.UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: WILKINS 1-24A5
2. NAME OF OPERATOR: HOMELAND GAS & OIL, INC	·.		9. API NUMBER: 43013303200000
3. ADDRESS OF OPERATOR: P.O. Box 1776, Roosevelt,		ONE NUMBER: 2 Ext	9. FIELD and POOL or WILDCAT: ALTAMONT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0927 FNL 1580 FEL			COUNTY: DUCHESNE
QTR/QTR, SECTION, TOWNSH	<b>IIP, RANGE, MERIDIAN:</b> 24 Township: 01.0S Range: 05.0W Meridia	n: U	STATE: UTAH
11. CHECI	K APPROPRIATE BOXES TO INDICATE I	NATURE OF NOTICE, REPOF	RT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
NOTICE OF INTENT Approximate date work will start:  11/4/2013  SUBSEQUENT REPORT Date of Work Completion:  SPUD REPORT Date of Spud:  DRILLING REPORT Report Date:  12. DESCRIBE PROPOSED OR	CHANGE TO PREVIOUS PLANS CHANGE WELL STATUS DEEPEN OPERATOR CHANGE PRODUCTION START OR RESUME REPERFORATE CURRENT FORMATION TUBING REPAIR WATER SHUTOFF WILDCAT WELL DETERMINATION  COMPLETED OPERATIONS. Clearly show all p TBG 100 CSG 40	ALTER CASING CHANGE TUBING COMMINGLE PRODUCING FORMATIONS FRACTURE TREAT PLUG AND ABANDON RECLAMATION OF WELL SITE SIDETRACK TO REPAIR WELL VENT OR FLARE SI TA STATUS EXTENSION OTHER ertinent details including dates, or	CASING REPAIR  CHANGE WELL NAME  CONVERT WELL TYPE  NEW CONSTRUCTION  PLUG BACK  RECOMPLETE DIFFERENT FORMATION  TEMPORARY ABANDON  WATER DISPOSAL  APD EXTENSION  OTHER:  Depths, volumes, etc.  Accepted by the Utah Division of Oil, Gas and Mining  FOR RECORD ONLY  December 09, 2013
NAME (PLEASE PRINT) Craig S. Phillips	PHONE NUMBER 435 722-2992	TITLE Manager	
SIGNATURE N/A	430 122-2992	DATE 11/6/2013	



Lieutenant Governor

# State of Utah

#### DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA

Division Director

June 2, 2014

Charles Cox via FedEx Attorney 1432 South Carson Avenue Tulsa, OK 74119

Craig Phillips, President via FedEx Homeland Gas & Oil P.O. Box 1776 Roosevelt, Utah 84066 Kevin Sylla, Managing Director via FedEx Tiger Energy Partners 6400 Canoga Ave., Suite 360 Woodland Hills, CA 91367

> 43 013 30320 Wilkins 1-2415 15 5W 24

## **DIVISION ORDER**

Subject: Stipulated Order in Cause No. SI/TA-102

Dear Sirs,

In May 2013, Tiger Energy Partners ("Tiger"), Homeland Gas and Oil, Inc. ("Homeland"), and the Utah Division of Oil, Gas and Mining ("Division") entered into a Stipulated Order. The Stipulated Order included a "Production and Plugging Schedule" requiring either Tiger or Homeland to begin rework operations to either place on production or plug at least one of the twelve (12) Subject Wells starting July 1, 2013. Our understanding was that once a rig was on a well, it would remain until the well was capable of production or properly plugged and then would move to the next Subject Well. The schedule also required commencement of rework operations at a new Subject Well every forty-five (45) days thereafter.

Homeland has transferred six (6) of the Subject Wells (Dye-Hall 2-21A1, Gusher 2-17B1, Rust 3-22A4, Dustin 1, Rust 3-22A4 and V Miles 1) to Tiger over the past year. The Division initially understood Tiger's need for additional time to acquire sufficient mineral leases in the subject drilling units before beginning rework operations on any of the transferred wells. However, while the Division allowed Tiger the flexibility to acquire mineral leases, to date, Tiger has only done rework operations on one of the Subject Wells (the Gusher 2-17B1 well during April of this year). Tiger submitted a sundry dated April 25, 2014 stating the Gusher 2-17B1 well was capable of producing in paying quantities and awaiting the arrival of a more economic work over unit to remove a stuck packer. To the Divisions' knowledge the work-over rig used on the Gusher 2-17B1 was not moved to another Subject Well, as contemplated by the Stipulated Order.

The Division asked that Tiger keep the Division informed with regular updates to show they were actively and continuously working to improve their lease position. The Division also requested

¹ Bates9-1, Reimann 10-1, Dustin 1, A Rust 2, Gusher 2-17B1, Rust 3-22A4, V Miles 1, Josie 1A-3B5, Wilkins 1-24A5, Dye-Hall 2-21A1, C J Hackford 1-23, Fausett 1-26A1E



Tiger provide a list of which, if any, wells they would not have Homeland transfer. Tiger never submitted land updates or a list of wells that would not be transferred.

The Division sent a letter dated December 10, 2013 reminding Tiger of its obligation to commence rework operations on these wells and the Division would reevaluate depth bonding for the wells after the first of the year. In response, Tiger transferred additional wells in order to attempt to comply with the Production and Plugging Schedule through February 15, 2014. Since December, however, Tiger has not transferred any additional wells in order to meet the April 1, 2014 or the May 15, 2014 dates on the Production and Plugging Schedule.

Therefore, Tiger must provide individual depth bonding for the six (6) subject wells it operates (Dye-Hall 2-21A1, Gusher 2-17B1, Rust 3-22A4, Dustin 1, Rust 3-22A4 and V Miles 1) by June 30, 2014. Depth bonding for the six (6) wells is \$360,000 total. Since Tiger currently has a \$120,000 bond with the State, an additional \$240,000 is required at this time. If Tiger attempts to transfer additional Subject Wells from Homeland, such transfer must be accompanied by a \$60,000 individual well bond for each well and must comply with the Production and Plugging Schedule as set forth in the Stipulated Order.

Additionally, by June 13, 2014, Homeland must identify at least two wells on which it will immediately commence rework operations to either produce or plug in order to comply with the April 1, 2014 and the May 15, 2014 dates as set forth in the Production and Plugging Schedule. Unless additional wells are transferred to Tiger, Homeland will be responsible to comply with the remaining dates on the Production and Plugging Schedule. If Tiger desires to transfer wells to comply with those dates, it must notify the Division by June 13, 2014 and must accompany the transfer request with a \$60,000 individual well bond for each well.

Tiger or Homeland may appeal this Division Order by filing with the Board of Oil, Gas and Mining a request for review according to procedures set forth in R649-10-6. A request for review must be filed with the Secretary to the Board, Julie Ann Carter (801) 538-5277, within 30 days of issuance of this Order.

In the event Tiger or Homeland does not respond to this Order within 30 days of receipt, the Division may file for a formal hearing before the Board of Oil, Gas and Mining, as described in the Utah Administrative Code R641, requesting a Board Order to plug and restore the well sites. Should this matter be brought before the Board, the Division will seek bond forfeiture (R649-3-1.16) and liability for plugging costs in excess of bond forfeiture amounts (R649-3-1-4).

Questions regarding this order may be directed to Clinton Dworshak, Compliance Manager at (801) 538-5280 or Dustin Doucet, Engineer, at (801) 538-5281.

Sincerely,

Clinton Devastal Clinton Dworshak

Compliance Manager

CLD/js

cc: John Rogers, Associate Director Oil & Gas Kass Wallin, Attorney General Dustin Doucet, Petroleum Engineer Elizabeth A. Schulte, Parsons, Behle & Latimer N:\O&G Reviewed Docs\ChronFile\Enforcement

### Division of Oil, Gas and Mining

Operator Change/Name Change Worksheet-for State use only

Effective Date:

3/12/2015

FORMER OPERATOR:	NEW OPERATOR:				
Homeland Gas & Oil, Inc N3130	TIGER ENERGY OPERATING, LLC N3880				
PO BOX 1776	22287 MULHOLLAND HWY #350				
ROOSEVELT UT 84066	CALABASAS CA 91302				
435-722-2992	888-328-9888				
CA Number(s):	Unit(s):				

#### **WELL INFORMATION:**

Well Name	Sec	TWN	RNG	API	Entity	Mineral	Surface	Туре	Status
JOSIE 1-3B5	3	020S	050W	4301330273	215	Fee	Fee	ow	PA
WILKINS 1-24A5	24	010S	050W	4301330320	205	Fee	Fee	ow	S
C J HACKFORD 1-23	23	010S	010E	4304730279	790	Fee	Fee	ow	S
FAUSETT 1-26A1E	3	010S	010E	4304730821	870	Fee	Fee	ow	S

#### **OPERATOR CHANGES DOCUMENTATION:**

1. Sundry or legal documentation was received from the **FORMER** operator on:

8/4/2014

2. Sundry or legal documentation was received from the **NEW** operator on:

8/5/2014

3. New operator Division of Corporations Business Number:

8903416-0161

#### **REVIEW:**

1. Surface Agreement Sundry from NEW operator on Fee Surface wells received on:

Yes

2. Receipt of Acceptance of Drilling Procedures for APD on:

N/A

3. Reports current for Production/Disposition & Sundries:

3/12/2015

4. OPS/SI/TA well(s) reviewed for full cost bonding:

3/12/2015

5. UIC5 on all disposal/injection/storage well(s) approved on:

N/A

6. Surface Facility(s) included in operator change:

N/A

7. Inspections of PA state/fee well sites complete on (only upon operators request):

N/A

#### **NEW OPERATOR BOND VERIFICATION:**

Federal well(s) covered by Bond Number:
 Indian well(s) covered by Bond Number:
 N/A

3.State/fee well(s) covered by Bond Number(s): RLB0015170

### **DATA ENTRY:**

1. Well(s) update in the OGIS on:
2. Entity Number(s) updated in OGIS on:
3/12/2015
3. Unit(s) operator number update in OGIS on:
4. Surface Facilities update in OGIS on:
5. State/Fee well(s) attached to bond(s) in RBDMS on:
6. Surface Facilities update in RBDMS on:
7/A
7/12/2015
8/A

## LEASE INTEREST OWNER NOTIFICATION:

1. The **NEW** operator of the Fee (Mineral) wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on:

3/12/2015

### **COMMENTS:**

# STATE OF UTAH

	DIVISION OF OIL, GAS AND MI		5 LEASE DESIGNATION AND SERIAL NUMBER See attached Exhibit "A"
SUNDRY	See attached Exhibit "A"  7 UNIT or CA AGREEMENT NAME See attached Exhibit "A"		
Do not use this form for proposals to drill n drill horizontal la			
1 TYPE OF WELL OIL WELL		8. WELL NAME and NUMBER See attached Exhibit "A"	
2 NAME OF OPERATOR:			9 API NUMBER
Homeland Gas & Oil, LTD 3. ADDRESS OF OPERATOR:	1 Inc. N3130	PHONE NUMBER	Exhibit A  10 FIELD AND POOL, OR WILDCAT
	, Roosevelt State UT 24		See attached Exhibit "A"
4 LOCATION OF WELL FOOTAGES AT SURFACE See at	Itached Exhibit "A"		COUNTY
QTR/QTR, SECTION, TOWNSHIP, RAN	IGE. MERIDIAN		STATE UTAH
11 CHECK APPI	ROPRIATE BOXES TO INDICAT	E NATURE OF NOTICE, REPO	RT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
NOTICE OF INTENT	ACIDIZE	DEEPEN	REPERFORATE CURRENT FORMATION
(Submit in Duplicate)  Approximate date work will start	ALTER CASING CASING REPAIR	FRACTURE TREAT  NEW CONSTRUCTION	SIDETRACK TO REPAIR WELL  TEMPORARILY ABANDON
Approximate date in the second	CHANGE TO PREVIOUS PLANS	OPERATOR CHANGE	TUBING REPAIR
	CHANGE TUBING	PLUG AND ABANDON	VENT OR FLARE
SUBSEQUENT REPORT	CHANGE WELL NAME	PLUG BACK	WATER DISPOSAL
(Submit Original Form Only)	CHANGE WELL STATUS	PRODUCTION (START/RESUME)	WATER SHUT-OFF
Date of work completion	COMMINGLE PRODUCING FORMATIONS	RECLAMATION OF WELL SITE	OTHER.
	CONVERT WELL TYPE	RECOMPLETE - DIFFERENT FORMATION	
2 DESCRIBE PROPOSED OR CO	OMPLETED OPERATIONS Clearly show all p	pertinent details including dates, depths, volume	es, etc.
made part of this form to 1	D Inc.(N3840) relinquishes operate Tiger Energy Operating, LLC who ells on the attached Exhibit "A" to	se address is: 22287 Mulholland	
NAME (PLEASE PRINT) Craig K. F	Phillips	President 8/1/2014	
SIGNATURE	7 Hours	DATE	
his space for State use only)	<b>'ROVED</b>	RE	CEIVED
		A 5.21	2.01.004

MAR 1 2 2015

AUG 04 2014

Div. of Oil, Gas & Mining

## EXHIBIT "A"

Well Names	API	1/4 1/4	Sec. TWP	Footage	Field	County
			RGE	Location		
Josie 1A-385	43-01330677	NESW	Sec. 3, T2S, R5W	1379' FSL & 2439' FWL	Altamont	Duchesne
Wilkins 1-24A5	43-01330320	NWNE	Sec. 24, T1S, R5W	927' FNL & 1580' FEL	<b>Altamont</b>	Duchesne
CJ Hackford 1-23	43-04730279	SENW	Sec. 23, T15, R1E	1825' FNL & 1936' FWL	<b>Bluebeli</b>	Uintah
Fausett 1-26A1E	43-04730821	NESW	Sec. 26, T15, R1E	2260' FSL & 1574' FWL	Bluebell	Uintah

# STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES						
DIVISION OF OIL, GAS AND MINING					5. LEASE DESIGNATION AND SERIAL NUMBER: See attached Exhibit "A"	
SUNDRY NOTICES AND REPORTS ON WELLS					DIAN, ALLOTTEE OR TRIBE NAME.  attached Exhibit "A"	
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL, form for such proposals.					7 UNIT OF CA AGREEMENT NAME. See attached Exhibit "A"	
1 TYPE OF WELL OIL WELL	GAS WELL OTHER				8. WELL NAME and NUMBER: See attached Exhibit "A"	
2 NAME OF OPERATOR: Tiger Energy Operating LI	LC_N3880_				NUMBER: ibit A	
3 ADDRESS OF OPERATOR: 22287 Mulholland Hwy #350 CITY Calabasas STATE CA ZIP 91302 (888) 328-9888					10. FIELD AND POOL, OR WILDCAT See attached Exhibit "A"	
4 LOCATION OF WELL FOOTAGES AT SURFACE: See at	ttached Exhibit "A"			COUNT	Y	
QTRIQTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:					UTAH	
11 CHECK APP	ROPRIATE BOXES TO INDICAT	TE NATURE (	OF NOTICE, REPO	PRT, O	R OTHER DATA	
TYPE OF SUBMISSION		רד	PE OF ACTION			
NOTICE OF INTENT (Submit in Duplicate)	ACIDIZE  ALTER CASING	DEEPEN FRACTURE	TOGAT		REPERFORATE CURRENT FORMATION SIDETRACK TO REPAIR WELL	
Approximate date work will start.	CASING REPAIR	☐ NEW CONS			TEMPORARILY ABANDON	
	CHANGE TO PREVIOUS PLANS	✓ OPERATOR	CHANGE		TUBING REPAIR	
	CHANGE TUBING	PLUG AND A	NODIABLE		VENT OR FLARE	
SUBSEQUENT REPORT (Submit Original Form Only)  Date of work completion:	CHANGE WELL NAME	PLUG BACK			WATER DISPOSAL	
	CHANGE WELL STATUS	PRODUCTIO	N (START/RESUME)		WATER SHUT-OFF	
	COMMINGLE PRODUCING FORMATIONS	RECLAMATI	ON OF WELL SITE		OTHER:	
CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMATION						
12. DESCRIBE PROPOSED OR CO	OMPLETED OPERATIONS. Clearly show all p	pertinent details inc	luding dates, depths, volun	nes, etc		
Homeland Gas & Oil 1 TD	Inc. (N3840) relinquishes oners	torship of the	walls listed in the s	ttacher	t Evhibit "Δ" (attached and	

made part of this form to Tiger Energy Operating, LLC, whose address is: 22287 Mulholland Hwy #350, Calabasas, CA 91302 please move all wells on the attached Exhibit "A" to Tiger Energy Operating, LLC's State Bond.)

MANAGNO DIRECT NAME (PLEASE PRINT) SIGNATURE

(This space for State use only)

RECEIVED

AUG 05 2014

MAR 1 2 2015

DLY. OIL GAS & MINING

achel Medina

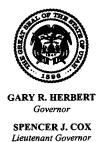
(See Instructions on Reverse Side)

(5/2000)

Div. of Oil, Gas & Mining

## EXHIBIT "A"

Well Names	API	1/4 1/4	Sec. TWP	Footage	Field	County
			RGE	Location		
Josie 1A-385	43-01330677	NESW	Sec. 3, T2S, R5W	1379' FSL & 2439' FWL	<b>Altamont</b>	Duchesne
Wilkins 1-24A5	43-01330320	NWNE	Sec. 24, T15, R5W	927' FNL & 1580' FEL	<b>Altamont</b>	Duchesne
CJ Hackford 1-23	43-04730279	SENW	Sec. 23, T15, R1E	1825' FNL & 1936' FWL	Bluebell	Uintah
Fausett 1-26A1E	43-04730821	NESW	Sec. 26, T15, R1E	2260' FSL & 1574' FWL	<b>Bluebell</b>	Uintah



# State of Utah

#### DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA Division Director

July 9, 2015

Certified Mail 7014 2870 0001 4232 4559

## **DIVISION ORDER**

Mr. Kevin Sylla Tiger Energy Operating, LLC 22287 Mullholland Hwy #350 Calabasas, CA 91302

Subject: Order to bond and plug the A Rust 2, Rust 3-22A4, C J Hackford 1-23, V Miles 1, Dye-Hall 2-21A1, Wilkins 1-24A5, Josie 1A-3B5, and Fausett 1-26A1E wells

Dear Mr. Sylla:

24 IS 5W

The following wells are in violation of Oil, and Gas Conservation General Rule R649-3-36 (Shutin and Temporarily Abandoned Wells). The wells (Subject Wells) are:

Well Name	<u>API</u>	Completed	Years Shut-In
A RUST 2	43-013-30290	9/3/1974	14 yrs. 11 mo.
RUST 3-22A4	43-013-31266	5/17/1991	11 yrs. 1 mo.
C J HACKFORD 1-23	43-047-30279	8/26/1977	11 yrs. 4 mo.
V MILES 1	43-013-30275	4/10/1974	10 yrs. 10 mo.
DYE-HALL 2-21A1	43-013-31163	3/5/1987	7 yrs. 11 mo.
WILKINS 1-24A5	43-013-30320	3/11/1975	8 yrs. 8 mo.
JOSIE 1A-3B5	43-013-30677	12/10/1984	10 yrs.
FAUSETT 1-26A1E	43-047-30821	4/25/1981	8 yrs. 2 mo.

Tiger Energy Operating, LLC and Tiger Energy Partners International LLC (collectively, Tiger) are the listed operator and bonding agent for these wells.

Although the Division agreed to withhold enforcement in the Modification to Stipulated Order, (MSO), because of Tiger's dilatory and inadequate efforts, the Division is exercising its discretion and requiring immediate action. In the modification, Tiger agreed to begin workover activities sequentially and eventually plug or produce wells. MSO, paragraphs 11 & 12. Tiger has not complied with the stipulated order. Tiger has failed to continue working-over wells in sequence. Tiger had ten wells to plug in sequence, and to date has plugged only two. When the Division agreed to enter into the stipulated order, it believed Tiger would act quickly and diligently to get ten wells plugged or producing. Furthermore, for at least the last six months, the Division has repeatedly asked for increased communication and timely action, and Tiger has been reluctant to give the Division information and has been dilatory in its actions. The progress over the last year has been inadequate and the Division now exercises its enforcement authority and the discretion discussed in paragraph 13 of the MSO.



Therefore, the Division hereby orders Tiger Energy Operating, LLC and Tiger Energy Partners International LLC, jointly and severally, to immediately plug the Subject Wells; post a \$60,000 bond for each of the Subject Wells, as Rule 649-3-1(5) requires (see Attachment A for details); and within thirty days (August 10, 2015), provide an estimate of plugging and site restoration contest for the Division's review and approval as Rule 649-3-1(4.4) requires.

As Tiger plugs the Subject Wells, it must adhere to the requirements under rule R649-3-24 and all other rules and regulations.

Per the MSO, Tiger and the Division have entered into an escrow agreement which was funded with a \$240,000 deposit. Tiger has plugged two wells (i.e., Dustin 1 and Gusher 2-17B1) but has not submitted proof of site restoration of those two wells. The Division will approve a withdrawal of up to \$60,000 per well from the escrow account upon receiving proof of restoration. The Division will release the remaining \$120,000 plus interest upon either the receipt of four \$60,000 bonds for the A Rust 2, Rust 3-22A4, V Miles 1, and Dye Hall2-21A1 wells or the plugging and site restoration of two of those four wells.

Tiger may appeal this Division Order by filing with the Board of Oil, Gas and Mining a request for review according to procedures set forth in Rule R649-10-6. A request for review of a Division Order must be filed with the secretary to the Board, Julie Ann Carter (801) 538-5277, within thirty (30) days of issuance of the order.

In the event Tiger does not comply with this Division Order, the Division will file for a formal hearing before the Board of Oil, Gas and Mining, as described in the Utah Administrative Code R641, requesting a Board Order to forfeit Tiger's current bond, and recovery of plugging and restoration costs in excess of bond forfeiture amounts.

Ouestions regarding this order may be directed to Dustin Doucet, Petroleum Engineer at (801) 538-5281 or John Rogers, Oil and Gas Associate Director at (801) 538-5349.

John Rogers

Oil and Gas Associate Director

#### Enclosure

John Rogers, Oil and Gas Associate Director Steve F. Alder, Assistant Attorney General Douglas J. Crapo, Assistant Attorney General Elizabeth A. Schulte, Parsons Behle & Latimer Michael R. McCarthy, Parsons Behle & Latimer Compliance File Well File

N:\O&G Reviewed Docs\ChronFile\Enforcement

# Attachment A

Well Name	<u>API</u>	Well Depth	Bond
A RUST 2	43-013-30290	16467	\$60,000
<b>RUST 3-22A4</b>	43-013-31266	15775	\$60,000
C J HACKFORD 1-23	43-047-30279	13007	\$60,000
V MILES 1	43-013-30275	17092	\$60,000
DYE-HALL 2-21A1	43-013-31163	14000	\$60,000
WILKINS 1-24A5	43-013-30320	17020	\$60,000
JOSIE 1A-3B5	43-013-30677	15000	\$60,000
FAUSETT 1-26A1E	43-047-30821	12350	\$60,000
			TOTAL \$480,000

Sundry Number: 66196 API Well Number: 43013303200000

			FORM 9			
	FORM 9					
,	5.LEASE DESIGNATION AND SERIAL NUMBER: FEE					
SUNDR	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:					
	oposals to drill new wells, significantly or reenter plugged wells, or to drill horizon n for such proposals.		7.UNIT or CA AGREEMENT NAME:			
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: WILKINS 1-24A5			
2. NAME OF OPERATOR: TIGER ENERGY OPERATING	, LLC		<b>9. API NUMBER:</b> 43013303200000			
3. ADDRESS OF OPERATOR: 22287 Mulholland Hwy#350	0 , Calabasas, CA, 91302	PHONE NUMBER: 888 328-9888 Ext	9. FIELD and POOL or WILDCAT: ALTAMONT			
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0927 FNL 1580 FEL			COUNTY: DUCHESNE			
QTR/QTR, SECTION, TOWNSH	HIP, RANGE, MERIDIAN: 24 Township: 01.0S Range: 05.0W Meri	dian: U	STATE: UTAH			
11. CHEC	K APPROPRIATE BOXES TO INDICAT	E NATURE OF NOTICE, REPOR	RT, OR OTHER DATA			
TYPE OF SUBMISSION		TYPE OF ACTION				
	ACIDIZE	ALTER CASING	CASING REPAIR			
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME			
9/10/2015	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE			
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	☐ NEW CONSTRUCTION			
	OPERATOR CHANGE	PLUG AND ABANDON	☐ PLUG BACK			
SPUD REPORT	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION			
Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON			
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL			
DRILLING REPORT Report Date:	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION			
Report Date:	WILDCAT WELL DETERMINATION	OTHER	OTHER:			
12 DESCRIBE PROPOSED OR	COMPLETED OPERATIONS. Clearly show a	all nertinent details including dates	donths volumes atc			
	n location - Inspect surface		Approved by the			
	PSI - Swab Well – Clean out -		USeptember on 60, f 2015			
			Oil, Gas and Mining			
			Date:			
			By: Der K Quit			
		1				
NAME (PLEASE PRINT) Richard Liu	<b>PHONE NUMB</b> 213 706-6755	ER TITLE Assistant				
SIGNATURE N/A		<b>DATE</b> 9/16/2015				

Sundry Number: 66847 API Well Number: 43013303200000

			FORM 9		
	5.LEASE DESIGNATION AND SERIAL NUMBER: FEE				
SUNDR	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:				
	oposals to drill new wells, significantly reenter plugged wells, or to drill horizon for such proposals.		7.UNIT or CA AGREEMENT NAME:		
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: WILKINS 1-24A5		
2. NAME OF OPERATOR: TIGER ENERGY OPERATING	i, LLC		9. API NUMBER: 43013303200000		
3. ADDRESS OF OPERATOR: 22287 Mulholland Hwy#350	0 , Calabasas, CA, 91302	PHONE NUMBER: 888 328-9888 Ext	9. FIELD and POOL or WILDCAT: ALTAMONT		
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0927 FNL 1580 FEL			COUNTY: DUCHESNE		
QTR/QTR, SECTION, TOWNSH	HIP, RANGE, MERIDIAN: 24 Township: 01.0S Range: 05.0W Mer	idian: U	STATE: UTAH		
11. CHEC	K APPROPRIATE BOXES TO INDICA	TE NATURE OF NOTICE, REPOR	RT, OR OTHER DATA		
TYPE OF SUBMISSION		TYPE OF ACTION			
	✓ ACIDIZE	ALTER CASING	CASING REPAIR		
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME		
10/12/2015	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE		
SUBSEQUENT REPORT	DEEPEN	FRACTURE TREAT	NEW CONSTRUCTION		
Date of Work Completion:	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK		
	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION		
SPUD REPORT Date of Spud:	✓ REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON		
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL		
DRILLING REPORT	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION		
Report Date:		SI TA STATUS EXTENSION	APD EXTENSION		
	WILDCAT WELL DETERMINATION	□ OTHER	OTHER:		
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  - Perforate formation at 12955-12965 - 1000 gallons of HCL 12.5%  - Spot perforations - Swab operation  Spot perforations - Swab operation  Oil, Gas and Mining					
			Date:		
			By: Description		
NAME (PLEASE PRINT) Richard Liu	<b>PHONE NUMB</b> 213 706-6755	ER TITLE Assistant			
SIGNATURE N/A		<b>DATE</b> 10/9/2015			